


# GRADUATE STUDIES



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Catalogue and General Bulletin  
Joint Graduate Studies Program  
SAVANNAH STATE COLLEGE and ARMSTRONG STATE COLLEGE  
Savannah, Georgia  
1978-1979



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CATALOGUE AND GENERAL BULLETIN  
of  
THE JOINT GRADUATE STUDIES PROGRAM  
OF  
SAVANNAH STATE COLLEGE—ARMSTRONG STATE COLLEGE  
Units of the University System of Georgia  
1978-1979

The statements set forth in this Catalogue are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

While the provisions of this Catalogue will ordinarily be applied as stated, Savannah State College and Armstrong State College reserve the right to change any provision listed in this Catalogue, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Graduate Office at Savannah State College and the Graduate Office at Armstrong State College. It is especially important that each student note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

Armstrong State College and Savannah State College do not discriminate on the basis of sex, race, creed, national origin, or disability as required by Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the Vocational Rehabilitation Act of 1973.

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24 25 26 27 28 29 30	30 31



# ACADEMIC CALENDAR

1978-1979

## SUMMER QUARTER, 1978

JUNE	12	Registration—Monday.
	13	Classes begin—Tuesday.
	16	Last day to register for credit—Friday.
JULY	4	Holiday—Tuesday.
	13	Mid-term—Thursday.
	13	Last day to withdraw from class with grade of W.
	TBA	Preregistration for the Fall Quarter.
AUGUST	10	Last day of classes—Thursday.
	14-15	Examinations—Monday and Tuesday.
	13	Graduation—with SSC, Sunday.

## FALL QUARTER, 1978

SEPTEMBER	20	Registration—Wednesday.
	25	Classes begin—Monday.
	29	Last day to register for credit—Friday.
OCTOBER	27	Mid-term—Friday.
	27	Last day to withdraw from class with grade of W.
	TBA	Preregistration for Winter Quarter.
NOVEMBER	23-24	Thanksgiving Holidays (begins at 12:30 P.M. on November 23).
DECEMBER	5	Last day of classes—Tuesday.
	6-7	Examinations—Wednesday and Thursday.

## WINTER QUARTER, 1979

JANUARY	2	Registration—Tuesday.
	4	Classes begin—Thursday.
	9	Last day to register for credit—Tuesday.
FEBRUARY	6	Mid-term—Tuesday.
	6	Last day to withdraw from class with grade of W.
	13	Last day to file application for graduation at end of Spring Quarter—Tuesday.
	TBA	Preregistration for the Spring Quarter.
MARCH	13	Last day of classes—Tuesday.
	14-15	Examinations—Wednesday and Thursday.

# SPRING QUARTER, 1979

MARCH	22	Registration—Thursday.
	26	Classes begin—Monday.
	30	Last day to register for credit—Friday.
APRIL	27	Last day to file application for graduation at end of Summer Quarter—Friday.
	27	Mid-term—Friday.
	27	Last day to withdraw from class with grade of W.
	TBA	Preregistration for Summer Quarter.
MAY	31	Last day of classes—Thursday.
JUNE	4-5	Examinations—Monday and Tuesday.
	3	Graduation—with SSC, Sunday

# SUMMER QUARTER, 1979

JUNE	12	Registration—Tuesday.
	13	Classes begin—Wednesday.
	16	Last day to register for credit—Friday.
JULY	4	Holiday—Wednesday.
	12	Mid-term—Thursday.
	12	Last day to withdraw from class with grade of W.
	TBA	Preregistration for the Fall Quarter.
AUGUST	9	Last day of classes—Thursday.
	13-14	Examinations—Monday and Tuesday.
	15	Graduation—with ASC, Wednesday.

# FALL QUARTER, 1979

SEPTEMBER		Registration.
		Classes begin.
		Last day to register for credit
OCTOBER		Last day to withdraw from class with grade of W. Mid-term.
NOVEMBER	22-23	Thanksgiving Holidays (begin at 12:30 P.M. on November 22). Last day of classes.
DECEMBER		Examinations. Christmas Vacation begins.

# GOVERNING BOARD, ADMINISTRATION & FACULTY

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ERWIN A. FRIEDMAN, <i>Vice Chairman</i> .....	Savannah
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DAVID H. TISINGER .....	Carrollton
CAREY WILLIAMS .....	Greensboro

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HENRY G. NEAL .....	<i>Executive Secretary</i>
SHEALY E. McCOY .....	<i>Vice Chancellor -Fiscal Affairs and Treasurer</i>
FRANK C. DUNHAM .....	<i>Vice Chancellor -Construction and Physical Plant</i>
MARIO J. GOGLIA .....	<i>Vice Chancellor -Research</i>
M. COY WILLIAMS .....	<i>Vice Chancellor Academic Development</i>
HOWARD JORDAN, JR. ....	<i>Vice Chancellor -Services</i>
HARRY B. O'REAR .....	<i>Vice Chancellor -Health Affairs</i>
HASKIN R. POUNDS .....	<i>Assistant Vice Chancellor</i>
JAMES L. CARMON .....	<i>Assistant Vice Chancellor - Computing Systems</i>
MARY ANN HICKMAN ....	<i>Assistant Vice Chancellor -Personnel</i>
ROBERT M. JOINER .....	<i>Assistant Vice Chancellor - Communications</i>
HARRY H. MURPHY, JR. ....	<i>Director of Public Information</i>
L. HARLAN DAVIS .....	<i>Director, Interinstitutional Programs in International Affairs</i>





ADMINISTRATIVE OFFICERS OF  
THE JOINT GRADUATE STUDIES PROGRAM

*Savannah State College*

*Armstrong State College*

*President*

Clyde Hall (Acting)

Henry L. Ashmore

*Vice President*

Thomas Byers (Acting)

H. Dean Propst

*Dean for Graduate Studies*

James A. Eaton

Joseph V. Adams

*Comptroller*

Prince Mitchell

Jule R. Stanfield

*Registrar*

John B. Clemmons

George Hunnicutt

*Librarian*

Andrew J. McLemore

Gerald Sandy

HEADS OF THE GRADUATE DEPARTMENTS

*Biology*

*Margaret C. Robinson*

*Leslie B. Davenport, Jr.*

*Business Administration*

Mary C. Torian

Thomas R. Eason

*Chemistry*

Willie G. Tucker

Henry E. Harris

*Education*

Thelma M. Harmond

William W. Stokes

*English*

Luetta C. Milledge

Hugh Pendexter, III

*Mathematics*

John B. Clemmons

Richard M. Summerville

*History and Political Science*

Isaiah McIver

Roger K. Warlick

## THE GRADUATE COUNCIL

During the 1977-1978 academic year, the Graduate Council was reorganized. Prior to March, 1978, the Council membership included most of the administrative officials on the preceding page, including all of the department heads listed there, plus seven faculty members, plus two graduate students.

Effective March, 1978, the members of the Graduate Council included the presidents and vice presidents as ex-officio, non-voting members, plus the following members:

Graduate Deans: Two      Graduate Student: One

Departmental Representatives:

Business Administration: Coordinator — Dr. Thomas Eason.

Elected Faculty: Dr. John Chasse and Dr. Mary Torian.

Biology: Coordinator — Dr. Margaret Robinson.

Chemistry: Coordinator — Dr. Henry Harris.

Education: Coordinator — Dr. Thelma Harmond

Elected Faculty: Dr. Adaline Barber, Dr. Jacquelyn Stephens  
and Dr. William Stokes.

English: Coordinator — Dr. Hugh Pendexter.

History and Political Science: Coordinator — Dr. Isaiah McIver

Elected Faculty: Dr. Olavi Arens.

Mathematics: Coordinator — Mr. J. B. Clemmons.

Effective September, 1978, the members of the Graduate Council will include, in addition to the above mentioned ex-officio members, the two Graduate Deans, one graduate student plus departmental representatives as follows:

Business Administration: Coordinator — Dr. Mary Torian

Two Elected Faculty: Dr.                      and Dr.

Biology: Coordinator — Dr. Leslie Davenport

Chemistry: Coordinator — Dr. Willie Tucker

Education: Coordinator — Dr. William Stokes

Three Elected Faculty: Dr.                      Dr.  
and Dr.

English: Coordinator — Dr. Luetta Milledge

History and Political Science: Coordinator — Dr. Roger Warlick

One Elected Faculty Dr.

Mathematics: Coordinator — Dr. Richard Summerville



## GRADUATE FACULTY

- JOHN C. ADAMS, Ed.D., Florida State University, *Education (SSC)*
- JOSEPH V. ADAMS, Ph.D., University of Alabama, *Psychology (ASC)*
- STEPHEN AGYEKUM, Ed.D., University of Georgia, *Education (SSC)*
- EDWARD ALBAN, Ph.D., University of Georgia, *Business Administration (ASC)*
- HAYWARD ANDERSON, D.B.A., Harvard University, *Business Administration (SSC)*
- OLAVI ARENS, Ph.D., Columbia University, *History (ASC)*
- ADELINE Z. BARBER, Ed.D., University of Georgia, *Education (ASC)*
- JIMMY B. BENSON, Ph.D., Cornell University, *Biology (SSC)*
- RONALD J. BEUMER, Ph.D., University of Arkansas, *Biology (ASC)*
- SARVAN K. BHATIA, Ph.D., Ohio State University, *Business Administration (ASC)*
- NANCY V. BLAND, Ph.D., University of Georgia, *Education (ASC)*
- JOHN BREWER, Ph.D., University of Georgia, *Chemistry (ASC)*
- KENT BROOKS, Ph.D., George Washington University, *English (ASC)*
- CLIFFORD BURGESS, Ph.D., Auburn University, *Education (SSC)*
- THOMAS H. BYERS, Ph.D., Ball State University, *Political Science (SSC)*
- JOHN D. CHASSE, Ph.D., Syracuse University, *Business Administration (SSC)*
- C.P.G. CHI, Ph.D., Wayne State University, *Mathematics (ASC)*
- ROSS L. CLARK, Ph.D., Tulane University, *Political Science (ASC)*
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- OSCAR C. DAUB, Ph.D., University of Georgia, *English (SSC)*
- LESLIE B. DAVENPORT, Ph.D., University of Georgia, *Biology (ASC)*
- JOHN DUNCAN, Ph.D., Emory University, *History (ASC)*

THOMAS R. EASON, Ph.D., University of Mississippi, *Business Administration (ASC)*

JAMES A. EATON, Ed.D., Columbia University, *Education (SSC)*

FRANKIE ELLIS, Ed.D., University of Texas, *Education (SSC)*

C. OBI EMEH, Ph.D., University of Wisconsin, *Biology (SSC)*

JACOB ENGELHARDT, Ph.D., New York University, *Mathematics (SSC)*

STANLEY ETERSQUE, Ed.D., West Virginia University *Mathematics (ASC)*

IDA J. GADSDEN, Ph.D., University of North Carolina, *Education (SSC)*

JIMMIE F. GROSS, Ph.D., University of Georgia, *History (ASC)*

LAURENT J. GUILLOU, JR., Ph.D., Louisiana State University, *Biology (ASC)*

ORANGE HALL, Ph.D., University of Florida, *Business Administration (ASC)*

THELMA M. HARMOND, Ph.D., Ohio State University, *Education (SSC)*

JOHN R. HANSEN, Ed.D., University of Georgia, *Mathematics (ASC)*

HENRY E. HARRIS, Ph.D., Georgia Institute of Technology, *Chemistry (ASC)*

LAWRENCE HARRIS, Ph.D., University Santo Tomas, Manila, *History and Political Science (SSC)*

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JOHN S. HINKEL, Ph.D., University of South Carolina, *Mathematics (ASC)*

JOHN HOUSTON, Ph.D., Purdue University, *Mathematics (SSC)*

ANNE L. HUDSON, Ph.D., Tulane University, *Mathematics (ASC)*

SIGMUND HUDSON, Ph.D., Tulane University, *Mathematics (SSC)*

FRISSEL R. HUNTER, Ph.D., State University of Iowa, *Biology (SSC)*

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JAMES LAND JONES, Ph.D., Tulane University, *English (ASC)*

DALE Z. KILHEFNER, Ph.D., Pennsylvania State University, *Mathematics (ASC)*



JOSEPH I. KILLORIN, Ph.D., Columbia University, *English* (ASC)

PULLABHOTIA V. KRISHNAMURTI, Ph.D., Texas A. and M. University, *Biology* (SSC)

MICHAEL A. LABURTIS, Ph.D., University of Arkansas, *Business Administration* (ASC)

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OSMOS LANIER, Ph.D., University of Georgia, *History* (ASC)

JOSEPH LANE, Ph.D., University of Georgia, *Psychology* (ASC)

CORNELIA V. LAWSON, Ed.D., University of Arkansas, *Education* (SSC)

MARGARET LAWSON, Ph.D., University of North Carolina, *English* (ASC)

CHARLES LASKA, Ph.D., Syracuse University, *Mathematics* (ASC)

ELIZABETH LUNZ, Ph.D., Tulane University, *English* (SSC)

ISIAIAH McIVER, Ph.D., Loyola University, *History* (SSC)

WILLIAM D. McCARTHY, Ph.D., University of Georgia, *Business Administration* (ASC)

MICHAEL K. MAHER, Ph.D., University of Georgia, *English* (SSC)

JOHN C. McCARTHY, Ph.D., University of Georgia, *Political Science* (ASC)

MANCHERY P. MENON, Ph.D., University of Arkansas, *Chemistry* (SSC)

LUETTA C. MILLEDGE, Ph.D., University of Georgia, *English* (SSC)

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K. G. NAMBIAR, Ph.D., Texas A. & M. University, *Biology* (SSC)

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S. LLOYD NEWBERRY, Ed.D., University of Georgia, *Education* (ASC)

JOHN F. NEWMAN, Ph.D., University of Florida, *Political Science* (ASC)

HERBERT O'KEEFE, Ph.D., Georgia State University, *Accounting* (SSC)

GEORGE O. O'NEILL, Ph.D., University of Southern California, *English (SSC)*

ROBERT M. PATTERSON, Ph.D., Vanderbilt University, *History (ASC)*

HUGH PENDEXTER, III, Ph.D., University of Pennsylvania, *English (ASC)*

ALLEN L. PINGEL, Ph.D., University of South Carolina, *Biology (ASC)*

H. DEAN PROPST, Ph.D., Peabody College, *English (ASC)*

KAMALAKAR RAUT, Ph.D., University of Oklahoma, *Chemistry (SSC)*

STEVE YOUNG RHEE, Ph.D., University of Missouri, *Political Science (ASC)*

EMORY H. RICHARDS, Ph.D., Ohio State University, *Business Administration (ASC)*

PAUL E. ROBBINS, Ph.D., Georgia Institute of Technology, *Chemistry (ASC)*

A. DORIS ROBINSON, Ph.D., University of Oklahoma, *Education (SSC)*

MARGARET C. ROBINSON, Ph.D., Washington University, *Biology (SSC)*

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R. B. SINGH, Ph.D., Patna University, *Business Administration (SSC)*

STEVEN SMITH, Ph.D., Vanderbilt University, *History (SSC)*

JACQUELYN STEPHENS, Ed.D., Oklahoma University, *Education (SSC)*

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MEROLYN STEWART, Ph.D., University of Missouri, *History (SSC)*

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*Chemistry* (ASC)  
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(ASC)  
RICHARD SUMMERVILLE, Ph.D., Syracuse University, *Mathemat-  
ics* (ASC)  
JOSEPH W. SUMMER, Ph.D., University of North Carolina, *Education*  
(SSC)  
CLAUDIA THOMAS, Ed.D., University of Georgia, *Education* (ASC)  
FRANCIS M. THORNE, Ph.D., University of Georgia, *Biology* (ASC)  
MARY C. TORIAN, Ed.D., New York University, *Business Adminis-  
tration* (SSC)  
WILLIE G. TUCKER, Ph.D., University of Oklahoma, *Chemistry* (SSC)  
HANES WALTON, Ph.D., Howard University, *History* (SSC)  
PAUL E. WARD, Ed.D., University of Georgia, *Education* (ASC)  
ROGER K. WARLICK, Ph.D., Boston University, *History* (ASC)  
BERNARD L. WOODHOUSE, Ph.D., Howard University, *Biology*  
(SSC)

# HISTORY, PURPOSE AND ORGANIZATION

## HISTORY

Graduate Studies in Savannah were initiated at the beginning of the summer quarter 1968, when Savannah State College, with the approval of the Board of Regents, began offering courses leading to the degree of Master of Science in Elementary Education. The program operated as an independent program for thirteen quarters, enrolling well over two hundred students. It was approved by both the Southern Association of Colleges and Schools and the Georgia State Board of Education. Seventy-five persons received master's degrees under this program.

Beginning with the fall quarter of 1971, Savannah State College joined with Armstrong State College to offer a joint program of graduate work. The combined faculties, library holdings, and facilities of the two colleges made possible the expansion of the graduate program to include a master's degree in business administration as well as the program in elementary education. In the spring of 1972, the Board of Regents approved the addition of secondary options in the Master of Education program. The Joint Graduate Studies Program has been fully accredited by the Southern Association of Colleges and Schools, with its degree programs in Education approved by the Georgia State Department of Education.

## PURPOSE

The philosophical base of the Joint Graduate Studies Program is an affirmation of the dignity and worth of the individual. Implicit in this philosophy is a realization that modern man must be productive, articulate, and proactive. The Program is dedicated to service through: educational programs, community involvement, faculty and student research, scholarship and creativity. By offering advanced preparation to those who professionally serve the public schools, the Joint Graduate Studies Program contributes to the development of teachers who possess the qualities of character, commitment, and professional promise, and through these teachers, to the children they serve. By offering advanced professional training in management and administration, the Program serves individuals for positions of responsibility in business, industry, government and education.



## ORGANIZATION AND ADMINISTRATION

The Joint Graduate Program is designed to insure the equal involvement of the two Colleges in the administration of the program and the instruction offered within the program. Students are required to take one-half of the courses in their degree programs at Savannah State College and one-half of the courses at Armstrong State College. The graduate degrees, bearing the signatures of both Presidents, are awarded jointly by the two Colleges. The location of the graduation ceremonies alternates between the two Colleges.

The policy-making body for the Joint Graduate Program is the Graduate Council which is composed of representatives from both Colleges. Programs and general academic policies are approved by the Graduate Council for recommendation to the Presidents. The combined resources of the academic departments and libraries and the campus facilities of the two Colleges are utilized in support of the Joint Graduate Program.

Administrative operations of the program are the responsibility of the two Graduate Deans and of the Department Heads on the two campuses. Each of the Graduate Deans serve a two-year term, on an alternating basis, as the Coordinating Dean for Graduate Studies. The Heads of Departments alternate on a yearly basis as Departmental Coordinators. The various administrative officers of the two Colleges give further support to the program.



# FEES, REFUNDS, & FINANCIAL ASSISTANCE

*ALL FEES ARE SUBJECT TO CHANGE AT THE END OF ANY QUARTER.*

## APPLICATION FEE

An application fee of \$10.00 is paid by each graduate student at the time of initial application for admission. This fee is not required of graduates from either Armstrong State College or Savannah State College. The acceptance of the application fee does not constitute acceptance of the student into the graduate program. This fee, which is paid at Armstrong State College, is not refundable.

## MATRICULATION FEE

The matriculation fee for part-time students is \$12.00 per quarter hour; thus, the matriculation fee for one five (5) hour course is \$60.00. Students carrying 12 credit hours or more will pay \$145.00.

## OUT-OF-STATE TUITION

Non-residents of Georgia carrying 12 credit hours or more must pay a fee of \$238.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$20.00 per quarter hour for out-of-state tuition, in addition to matriculation fees. For residency requirements as established by the Board of Regents, see the *Bulletin and General Catalogue* of Armstrong State College.

## STUDENT ACTIVITY FEE

All students enrolled for six quarter hours or more must pay an Activity Fee of \$15.00 per quarter.

## ATHLETIC FEE

All students must pay an Athletic Fee of \$8.00 per quarter.

## LATE REGISTRATION FEE

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalogue as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalogue as the "last day to register for credit."

## GRADUATION FEE

Each candidate for graduation must pay a graduation fee of \$27.50 prior to his or her graduation. This fee must be paid at Savannah State College. For further information, inquire at the Graduate Offices.

## REFUNDS

Refund of the matriculation fee and of non-resident tuition will be made only upon written application for withdrawal from school. No refunds are made for simply dropping a course. Refunds must be processed by the College at which fees were paid. Privilege fees are not refundable. Both Colleges follow the refund policy of the Board of Regents as stated below:

Students who formally withdraw on the date of scheduled registration or during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

## DORMITORY FEES AT SAVANNAH STATE COLLEGE

Students who occupy dormitory facilities at Savannah State College should refer to the Savannah State general *Bulletin* for information on fees and should contact the Office of Student Affairs at Savannah State for assistance.

## FINANCIAL ASSISTANCE

A limited number of graduate assistantships are available to qualified students; these assistantships are awarded and administered by the individual graduate departments of the two Colleges. Students may seek information from the individual departments about assistantships but are advised to make a formal request for an assistantship only after their admission to the Graduate Program with Regular Admission status.

Students are invited to contact the Offices of Financial Aids at the two Colleges for information on federal and state programs of financial assistance to college students.

## VETERANS BENEFITS

Both campuses provide graduate students with veteran's services through Offices of Veterans Affairs. Information of interest to veterans can be obtained by writing or calling the office of Veteran Affairs at either Armstrong State College or Savannah State College.

Once accepted into the graduate program, the veteran should contact one of the offices for processing instructions. Since processing time varies, a first quarter student should expect a four to six week delay in receiving the first benefit check. First quarter student veterans should consider this delay when making financial arrangements to attend school.

For purposes of G.I. Bill benefits, ten (10) quarter hours is considered to be a full load; a load of five (5) graduate quarter hours entitles the graduate student to half-time benefits.



# ADMISSION TO GRADUATE STUDIES

Graduate course work provides an opportunity for continuing professional growth and competency, for expanding professional and cultural backgrounds, and for extending knowledge and understanding in an area of specialty. Qualified students may take advantage of these educational opportunities without necessarily seeking a degree, but admission to one of the degree programs of the Joint Graduate Program is a serious academic venture. Therefore, prospective students are expected to show evidence of high academic achievement and potential. Students who enroll as degree-seeking students must meet more rigorous admission standards than those students who do not seek a master's degree.

## REQUIREMENTS

Applicants desiring admission on a degree-seeking status must present satisfactory undergraduate academic records and satisfactory scores on appropriate admissions examinations. Some of the graduate degree programs have specialized test requirements, specified undergraduate course requirements, or other requirements for degree-seeking students. Refer to the departmental programs for specific information on these requirements.

*General requirements for degree-seeking students include the following:* applicants for the M.B.A. program must provide satisfactory scores on the Graduate Management Admissions Test (GMAT); applicants for all M.Ed. programs must provide satisfactory scores on either the Aptitude Test of the Graduate Record Examination (GRE) or the Common Examination of the National Teacher Examination (NTE). Satisfactory undergraduate grades must be presented by all degree-seeking students.

Admission to some programs may require satisfactory scores on either the appropriate area examination of the NTE or the appropriate advanced test of the GRE. For details of such requirements, consult the appropriate departmental entry in the catalogue or the Departmental Coordinator or the Graduate Office.

Applications for the above examinations are usually available at the two Colleges and will be given to students who come to the Colleges to obtain them. Students who wish to write for an application form or to submit an application for these examinations should contact: Educational Testing Service, Princeton, New Jersey, 08540. Students should request that their test scores be sent to the Graduate Studies Office, Armstrong State College, Savannah, Georgia 31406.

## CATEGORIES OF ADMISSION

### *Regular Admission* (a degree status classification)

#### DEFINITION

Regular Admission means that a student has met all admission requirements and is admitted to a degree program with full graduate status.

#### REQUIREMENTS

A student who has earned a baccalaureate degree from an accredited college, who has completed all of the prerequisites for his planned graduate field of study, and who meets the other requirements of the Graduate Program may be admitted on Regular Admission status. These requirements include minimum undergraduate grade-point averages in combination with certain minimum test scores. For the M.B.A. program, these grade point averages range from a minimum G.P.A. of 2.5 to a minimum of 3.0 (on a 4.0 scale) and must be combined with minimum test scores on the GMAT. See the Business Administration departmental section of this catalogue for specific requirements. For M.Ed. programs, a minimum G.P.A. of 2.5 is required and a minimum test score of 550 on the NTE Commons examination or 800 on the GRE Aptitude examination.

For area test scores required by any department, see the appropriate departmental entry. *Degree programs providing teacher certification have other admission requirements, including:* (1) a recommendation from the school in which a student has been employed as a teacher or has completed a student internship, and (2) eligibility for fourth level certification in the field of study. (For further information on admission to certification programs, consult the Graduate Office or the Education Departmental Coordinator.)

### *Provisional Admission* (a degree status classification)

#### DEFINITION

Provisional Admission means that a student has applied for admission to a degree program and has some condition placed on his status such as low grades or test scores. The student is admitted to a degree program but must meet certain conditions before achieving full graduate status (i.e., Regular Admission).



## REQUIREMENTS

For Provisional Admission, a student must hold a baccalaureate degree and meet the other admission requirements of the Graduate Program. These requirements include minimum undergraduate grade point averages in combination with certain minimum test scores.

For the M.B.A. program these grade point averages range from a minimum G.P.A. of 2.2 to a minimum of 2.7 and must be combined with minimum test scores on the GMAT. See the Business Administration departmental section of this catalogue for specific requirements.

For the M.Ed. programs, students who fail to meet Regular Admission score requirements may be granted Provisional Admission if the combinations of their G.P.A. and test scores conform to the following formulas:

$$\text{GPA} \times 100 + \text{NTE Common} = 750 \text{ or more.}$$

$$\text{GPA} \times 100 + \text{GRE Aptitude} = 1000 \text{ or more.}$$

In no case, however, may the G.P.A. be less than 2.2, the NTE less than 450, or the GRE less than 700.

For area test scores required by any department, see the appropriate departmental entry.

### *Additional Stipulations for Provisional Admissions.*

As with Regular Admission, recommendation forms and other aspects of the Admissions Procedures must be adhered to.

Provisionally admitted students may be required to remove any specific deficiencies that are ascertained by taking undergraduate supporting courses before the students are allowed to attempt graduate courses within the program to which they have been admitted. M.Ed. students may remain admitted on a provisional basis until they have attempted 15 hours of approved graduate work. If they satisfactorily complete the initial, approved 15 hours of graduate work *with no grade less than a "B," – of which 10 hours must be in the professional sequence* – and submit the appropriate Area test score, if required, these students may submit a written request, with advisor's endorsement, to move into Regular status.

Upon satisfying the Area test score, if required, and upon completing 25 hours of approved course work *with a "B" average or better, of which 15 hours must be in the major field of study*, any provisionally admitted student (M.B.A. or M.Ed.) will be eligible for Regular status. If the student does not have a "B" average or better upon completing these 25 hours of course work, he or she will be dropped as a degree-seeking student.

*Post Baccalaureate and Post Graduate Admission*  
(*Nondegree status*)

Post Baccalaureate or Post Graduate admission is provided for those students who may not wish to pursue a graduate degree, including teachers whose main purpose is to obtain credits necessary for teacher certification and/or for students who may desire to enter a degree program but who have missing data. Requirements for Post Baccalaureate Admission include documentary evidence of a baccalaureate degree and submission of necessary application papers. The student may also have to meet specific prerequisites to enroll in courses in certain departments. Post Graduate Admission requirements are the same except that a graduate degree is required.

*No more than fifteen (15) hours earned while enrolled as a Post Graduate or Post Baccalaureate student may be applied toward a M.Ed. degree and no more than ten (10) hours toward a M.B.A. degree.*

A student admitted on non-degree status who wishes to be advanced to a degree status category of admission bears the responsibility for:

1. Meeting all requirements for degree status which are in effect at the time the student *submits to the graduate office* the required data and documents for degree status.
2. Notifying the Graduate Admissions Office in writing of the intent and desire to advance to degree status.

Action by the Graduate Admissions Office to advance a non-degree student to a degree status category is contingent on the student meeting the above responsibilities, *and the student is cautioned to maintain a careful check on his or her status.*

### TRANSIENT STUDENT

Transient students must arrange to have written authorization sent to the Graduate Office from their dean, department head, or registrar at the graduate school in which they are enrolled in order to be accepted as a transient student and to register in the Joint Graduate Program. They must also submit the application for admission form and the \$10 fee as described in the Admission Procedures. If they wish to become degree-seeking students, they must request appropriate admission in writing and must submit the necessary documents.

### READMISSIONS

Any student in the Joint Graduate Program who did not matriculate (i.e., register) during the quarter immediately preceding the quarter in which he next intends to matriculate must process a readmission form with the Registrar's Office. The only students exempted from this requirement

are those students who are initially admitted for graduate study in the quarter immediately preceding the quarter of their first matriculation. For further information, inquire at the Graduate Offices or Registrar's office. (Note: through the Summer Quarter of 1980, the Registrar at Armstrong State College will handle matriculations and readmissions for the Joint Graduate Program.)

## ADMISSION PROCEDURES

The Graduate Office at Armstrong State College is the graduate admissions office. All admissions documents should be sent to this office for processing; the application for admission, the compliance form, \$10 fee, and transcripts must reach the office 20 days *prior to registration*.

The following materials and procedures are part of the requirements for admission to the Joint Graduate Studies Program.

1. The application-for-admission form and compliance form, available in the Graduate Office at either College, must be completed and submitted. *Required of all applicants, 20 days prior to registration.*
2. Three (3) official transcripts showing all college credits earned for the undergraduate degree should be sent directly from the college which awarded the degree to the Graduate Office at Armstrong State College. *Required of all applicants except transient students who may submit letter of authorization from their graduate school (20 days prior to registration).*
3. Test scores, as appropriate and as required for the major, must be submitted. *Required of degree-seeking students only.*
4. Completed recommendation forms (2) must be submitted; these forms are available in the two Graduate Offices. For applicants entering teacher certification programs, at least one (1) recommendation must be from supervisory personnel who observed the student in a teaching internship or as an employed teacher. *These recommendations are required of degree-seeking students only.*
5. A ten dollar (\$10) application fee is required of all students, except graduates of Savannah State College and Armstrong State College.

All materials and documents should be submitted as soon as possible, but items as noted above must arrive *at least twenty (20) days prior* to the registration date of the quarter a student enrolls. Action can be taken on applications for admission only after essential materials have been received.

ADMISSION TO GRADUATE STUDY DOES NOT IMPLY AUTOMATIC ACCEPTANCE OF THE STUDENT AS A CANDIDATE FOR ANY MASTER'S DEGREE. SEE SECTION ON CANDIDACY FOR DEGREE.



# ACADEMIC REGULATIONS

## STUDENT RESPONSIBILITY

The student is charged with the responsibility for taking the initiative in meeting all academic requirements and in maintaining a careful check on his or her progress toward earning a degree. The student is responsible for discharging his or her obligations to the business offices and the libraries and for adhering to the rules and regulations appertaining to graduate students in particular and to all students enrolled in a unit of the University System of Georgia. Graduate student academic regulations are set forth in this bulletin; for information regarding general regulations of students using the property and facilities of Savannah State College or Armstrong State College, refer to the general bulletins and student publications of the two Colleges. It is the student's responsibility to abide by catalogue requirements. A student's claim that he or she has been granted an exception to these requirements must be documented before the merits of the claim can be evaluated. *Students should note carefully the regulations in this chapter of the catalogue as well as in the admissions chapter.*

## ACADEMIC ADVISEMENT

Upon admission to graduate study, each student will be referred to a departmental coordinator or office for adviser assignment. *Consultation with the assigned adviser is required prior to registration.* Each student must process appropriate advisement papers which are available from his or her assigned adviser and which provide the adviser clearance required for registration.

Transient students report to the Graduate Office for advisement and adviser clearance.

Post Baccalaureate and Post Graduate students obtain adviser clearance by processing the non-degree advisement form with their assigned advisers. During the quarter in which a Post Baccalaureate student achieves degree-seeking status, he or she must process the Program of Study form.

Degree-seeking students, both Regular and Provisional Admissions students, must process the Program of Study form with their assigned adviser no later than the end of their first quarter of enrollment. A temporary adviser clearance statement may be provided by the adviser which will be valid only for the student's initial registration. This temporary clearance should be processed on non-degree advisement form, with appropriate notations made to indicate that it is temporary.

The Program of Study shows the courses the student will take in his or her degree program, transfer courses that *might* apply to the degree, and prerequisite courses or other prerequisites. The Program of Study must be followed by the student in fulfilling degree requirements. However, the student can take courses additional to those on his Program of Study, and he may enroll in the courses on his Program of Study during quarters other than those which might be shown on his Program of Study form. Moreover, the student may officially modify his Program of Study with the concurrence of his adviser and other appropriate personnel by processing the form for Modification of Program of Study. These forms are available from the advisers.

*Students should note that any departure from the catalogue requirements for a degree must be approved by the Graduate Dean.*

## FOREIGN STUDENT ADVISEMENT

Specialized advisement is available for foreign students from the Graduate Foreign Student Adviser, Dr. Kamalakar Raut, located in room 231, Griffin-Drew Science Hall, at Savannah State College. The mailing address is P.O. Box 20397, Savannah State College, Savannah, Georgia, 31401.

## REGISTRATION

Before a student may register for graduate courses in the Joint Graduate Program he must be formally admitted as a graduate student (although 500 level courses may be taken by undergraduate students *upon complying with* requirements and procedures stipulated by and available in the Graduate Offices). If his circumstances require it, he must be readmitted (see section on Admissions, paragraph on Readmissions). Through the Summer Quarter of 1980, registration will occur on the Armstrong State campus. In order to register, a student will be required to show at registration his admission confirmation and his advisor clearance forms.

## TRANSFER OF GRADUATE CREDITS

A maximum of thirty (30) hours of credit may be transferred from another institution, provided:

1. that each course equates with a course in the curriculum of the Joint Graduate Program or is an acceptable elective.
2. that the credit was earned in an accredited graduate program.
3. that a grade of B or better was earned in each course.
4. that the credit was earned no more than six years prior to completion of all degree requirements.



5. that no more than fifty percent of the required credits shall be transferred for use towards a master's degree (i.e., no more than 50% of either the required professional education credits or other required credits in M.Ed. programs).

For additional information on the amount of credit transferable for a particular degree program, refer to the appropriate departmental entry.

## PROCEDURES FOR PROCESSING TRANSFER CREDITS

Requests by students to receive transfer graduate credit must be supported by three (3) copies of the graduate transcript showing the credits requested. The formal and final request for receiving transfer credit is part of the Application for Candidacy which the student must process upon the completion of 25 hours of graduate work. This application is obtained in the Graduate Offices. The three (3) graduate transcripts should be sent to the Savannah State Graduate Office.

*Advisement* on transfer of credit is routinely provided on the Program of Study form which every degree-seeking student must complete with his adviser in his first quarter of enrollment. Formal approval of transfer credits is granted via the student's Application for Candidacy which requires approval by the student's adviser and Department Coordinator and by the Graduate Dean.

Prospective students may write to the Department Coordinator in their area of study to obtain advisement on transfer of credit.

## GRADUATE COURSES

Courses numbered 500 to 599 are open to both undergraduate and graduate students. In such courses, the quantity and quality of work required of the graduate students will be on the same level as that required in those courses offered exclusively for graduates. Courses numbered 600 to 699 will be open only to graduate students. Candidates for master's degrees must take at least fifty percent of their courses at the 600 level.

## GRADUATE CLASS REGULATIONS AND SCHEDULES

Graduate classes are conducted in conformity with the general academic policies of the Board of Regents and of the Joint Graduate Program and the regulations of the Campus on which a given class is taught. Specific class requirements, including attendance requirements and requirements for grades are set by the instructor for each class.

*The two sponsoring Colleges reserve the right to cancel classes and to adjust class schedules.*

## GRADES AND GRADE POINT AVERAGES

In accordance with the policies of the Board of Regents, the Joint Graduate Program is on a 4.0 grade point system. The only grades approved by the Board of Regents for computing the grade point averages of students are: A—4, B—3, C—2, D—1, F—0, and WF (withdrew failing)—0. The Board of Regents has also approved for uses other than for computing grade point averages, the following symbols: I—incomplete; W—withdrew without penalty; V—audit; K—credit for a course by examination; and S—satisfactory and U—unsatisfactory which are applicable only to theses, practicums, internships, and proficiency requirements.

In the Joint Graduate Program grades assigned are A, B, C, D, F (failure), I (incomplete), W (withdrew with no penalty), and WF (withdrew failing). The grade of W does not enter into computing a student's grade point average.

Stipulations applicable to other symbols used in the Joint Graduate Studies Program include:

I—incomplete. May be awarded by an instructor, who will also stipulate the conditions for its removal. Any grade of I which has not been removed by completing the course after three (3) quarters of matriculating in residence after the I was awarded shall become an automatic F; if the I has not been removed within one calendar year after the I was awarded, regardless of intervening matriculations, the I shall become an F.

W—withdrawal without penalty. May be awarded by an instructor up to the mid-quarter period in a course. Regents' policy stipulates that "Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations) except in cases of hardship as determined by the appropriate official of the respective institution."

WF—withdrew failing. May be awarded by an instructor anytime that a student withdraws from a course after the drop/add period; mandatory after midquarter except for hardship cases as stipulated above for grades of W.

V—audit. Use of this symbol is subject to the discretion of the individual joint graduate departments, and the departments may require that a student receive the permission of the instructor to audit a course prior to registering for the course. Moreover, *an auditing student must* pay the usual fees, *must* register for the course, and *may not* transfer from audit to credit status (or vice versa).

S and U—satisfactory and unsatisfactory; see above. Specific courses receiving these grades are identified in departmental course listings. Comprehensive examinations are given these grades also.

K—credit by examination. Use of this symbol is subject to the discretion of the individual joint graduate departments.

Students expecting to receive grades of V or K must insure that they are enrolled in an appropriate course or activity for which V or K grades are awarded by the appropriate department. If this catalogue does not show in the departmental entries that the given departments have authorized the use of V or K, then a student expecting to receive V in a course should obtain written verification from the appropriate instructor prior to registering for the course that V will be awarded.

*Grade point averages are calculated on all graduate work attempted.*

## ACADEMIC PROBATION AND STANDING

Any student who falls below a 3.0 (B) average shall be on academic probation.

Any student who is admitted to Provisional Admission status and who does not achieve a 3.0 average or better upon completing 25 hours shall be dropped as a degree student and be placed on non-degree status. Any Regular Admission student who has less than a 3.0 average after completing 25 *or more* hours shall be placed on “regular admission—probation status” and shall be required to achieve grades of B or better in *all* courses in order to maintain this status and must achieve a 3.0 average in order to return to Regular Admission status. Any student on “regular admission—probation status” who earns less than a B in any course or who accumulates 75 hours while still on this status shall be dropped as a degree student and shall be placed on non-degree status.

## COURSE LOAD LIMITATION

A full-time graduate student is expected to carry no more than fifteen (15) hours per quarter. The course load for employed students should be appropriately reduced in consultation with their advisers. Students on academic probation or on Provisional Admissions status should carefully plan their course loads in consultation with their advisers.

## WITHDRAWAL, DROPPING COURSES, AND ADDING COURSES

Withdrawal is, in the technical sense, dropping all courses and processing a formal withdrawal through the Office of Graduate Studies which issues a withdrawal form. A student may withdraw from school (or drop a single course) at any time during the quarter. Only by formally withdrawing, however, can a student become eligible for the refund of fees as explained in the section on fees. *The student bears the responsibility* of contacting the graduate office to effect a withdrawal and of contacting his professor(s) to determine what grade(s) he will receive (W or WF). In



order to expedite any refund due, the student must initiate his withdrawal on the same campus where he paid fees.

Dropping a course should also be formalized through the Graduate Office which will process a drop/add slip. If a student is taking only one course, the drop becomes, technically, a withdrawal, and a refund may be due. The student is responsible for contacting his instructor concerning the grade he will receive (W,WF).

Adding a course may be accomplished through the Registrar's Office which will process a drop/add slip. Courses may be added only during the late registration days at the beginning of the quarter and not at any other time during the quarter. The student must pay the appropriate fee for the additional course, unless a course comparable in credit hours is being dropped simultaneously.

### ADMINISTRATIVE WITHDRAWALS

The Graduate Offices reserve the right to effect the withdrawal of any student at any time during his course of studies if he does not meet his financial obligations or the required standards of scholarship, or if he cannot remain in the program without endangering his own health or the health of others, or if he fails in any way to meet the standards of the Joint Graduate Program.

### CATES COURSES

Savannah State College and Armstrong State College participate in the Coastal Area Teacher Education Service, a consortium of area public school systems and institutions of the University System of Georgia offering graduate and undergraduate courses in teacher education.

A student who wishes to apply CATES course credit to his degree program must obtain approval from his adviser to take a course for degree credit *prior* to taking the course. Without this prior approval, the course is subject to being treated as a transfer course, in which case, the Transfer of Graduate Credits policies and procedures described in this *Bulletin* will be followed.



# DEGREES AND GENERAL DEGREE REQUIREMENTS

## DEGREES OFFERED

The following degrees are offered in the Joint Graduate Studies Program:

- Master of Business Administration
- Master of Education in Business Education
- Master of Education in Biology
- Master of Education in Chemistry
- Master of Education in Elementary Education
- Master of Education in Early Childhood Education
- Master of Education in Special Education—Behavior Disorders
- Master of Education in English
- Master of Education in Mathematics (Not active at present time)
- Master of Education in History
- Master of Education in Political Science

(English, History, and Political Science are available as options without teacher-certification requirements)

The sponsoring colleges have approved the addition of Master of Education degree programs in Industrial Arts Education and Science Education, and of Master of Science degree programs in Chemistry and Criminal Justice. Approval of these degree programs is pending action by the Board of Regents of the University System of Georgia. Any student interested in one of these programs should request further information on the status of the program from the Office of Graduate Studies at either Savannah State College or Armstrong State College.

## TIME LIMITATION

Students working toward a master's degree must complete all requirements for the degree within a period of not more than six years from the date of first enrollment. Extension of time may be granted by the Graduate Council, upon recommendation of the student's major department, but only in cases of unusual circumstances.

## COURSE AND RESIDENCE REQUIREMENTS

Satisfactory completion of at least sixty (60) quarter hours of graduate credit is necessary for the Master of Education degree, and a minimum of thirty (30) quarter hours must be earned in residence. Courses to be counted for residence may be accumulated on a full-time or part-time basis.

Satisfactory completion of at least sixty (60) quarter hours of approved graduate credits is required for the Master of Business Administration degree, and a minimum of thirty (30) quarter hours must be earned in residence.

Students should note that the sixty hour requirement is a *minimum* requirement. Degree students with academic weaknesses should recognize that they may have to complete more than sixty hours to fulfill all curriculum requirements and comply with all academic regulations.

## BALANCE OF COURSES

Two forms of balance in accumulating courses must be adhered to by degree-seeking students. First, at least fifty percent (50%) of the courses earned for a degree must be at the 600 level.

Second, fifty percent (50%) of the courses applied to a degree must be earned at each of the two Colleges (Savannah State and Armstrong State). This balance of courses between the two Colleges includes a 50-50 balancing of the required courses and a 50-50 balancing of the elective courses in each degree program. Minor deviations from this strict 50-50 balancing of courses may be allowed where an odd number of courses in either the required or the elective category or in both categories requires the deviation. The departmental degree program descriptions identify the 600 level courses and provide additional guidance on balancing courses.

## DEGREE CANDIDACY

Upon successful completion of twenty-five quarter hours of graduate work taken in residence *and at least one quarter prior to making application for the degree*, the student is required to file an application for admission to candidacy. The student will submit the completed application to his adviser. These application forms are available in the Graduate Offices on both campuses.

Approval of the application will be based upon verification that the student:

1. has been admitted to full graduate status (i.e., Regular Admission).
2. has maintained a minimum of a "B" average in all work attempted.

## APPLICATION FOR THE DEGREE

At the time specified on the academic calendar, the student must file an application for the appropriate master's degree with his major department. Note that the application for the degree must be preceded by the application for candidacy by at least one quarter. Application forms are available in the Graduate Offices.

## THIRTY HOUR PLAN FOR A SECOND MASTER'S DEGREE

Students who have already earned a master's degree can, under certain circumstances, earn a second master's degree in the Joint Graduate Program by completing as little as 30 quarter hours of graduate work in residence. Essential elements of the second master's degree plan are:

1. All general requirements (e.g., Regular Admission status, adherence to general academic regulations, "B" average, comprehensive examinations, etc.) and all specific curricular requirements (i.e., departmental prerequisites for courses, specific courses, etc.) currently applicable to a master's degree will apply to the second degree sought, except as explicitly noted below:
2. For the Second master's degree:
  - A. The student must take at least 30 quarter hours in residence additional to course work that was used in fulfilling requirements for a previous master's degree. Additional hours *may* be necessary in order to fulfill curricular requirements or for such purposes as teacher certification in programs designed as Approved Programs for Georgia State Certification.
  - B. The 30 (or more) hours in residence must meet existing requirements on recency of credit. For the other hours, (hours applied to both the first degree and to the second degree), fifteen hours will have no age limit, but the remaining hours must be no more than twelve years old when requirements for the second master's degree are completed.
  - C. A curriculum plan for a second degree that is consistent with existing catalogue plans must be prepared by a department head or by a graduate adviser with his or her department head's endorsement. A copy of this plan will be sent to both graduate offices and will be given to the student. For this purpose, current advisement forms, with appropriate modifications may be used. The plan must show the 30 (or more) hours to be taken in residence and the previous graduate hours that are to apply to the second degree.

### SUMMARY OF GENERAL REQUIREMENTS FOR THE MASTER'S DEGREE

General regulations for obtaining a master's degree from the Joint Graduate Studies Program are summarized as follows:

1. Admission to full graduate status (i.e., Regular Admission).
2. Admission to candidacy for the degree.
3. Satisfactory completion of at least sixty (60) quarter hours of approved graduate level course work.



4. Meeting certification requirements for M.Ed. programs (some M. Ed. programs may have an option for no certification).
5. Maintenance of "B" average.
6. Satisfactory completion of a comprehensive examination.
7. Filing an application for the degree at the time specified.

### TEACHER CERTIFICATION

Although some M.Ed. degree programs have an option for no certification most of these degrees are designed to comply with the requirements for teacher certification at the fifth level in the various areas of specialization. The degree ordinarily is granted only to students who qualify for T-5 certification (or equivalent certification for other states), which in turn entails meeting T-4 certification requirements (Georgia). Students who use graduate credits to meet T-4 certification requirements may be required to take graduate courses beyond the 60 hours required for the M.Ed. degree in order to meet T-5 certification requirements. Since the M.Ed. programs require 60 hours, which is 15 more than the 45 minimum required for the T-5 by the State Education Department, 15 of the 60 graduate hours may be used to fulfill T-4 certification requirements. However, none of the 15 hours so used can then be applied toward meeting the 45 hours specified for the T-5.

Detailed information concerning programs and procedures relating to graduate teacher certification may be obtained from the Office of Graduate Studies or from the Department of Education at either College.

### NON CERTIFICATION M.Ed. PROGRAMS

Building on the basic, academic structure of the typical M.Ed. degree programs, departments may offer M.Ed. programs without applying all of the stipulations for certification programs. The curriculum essentials of a non-certification degree program are:

At least fifteen hours of education course work.

At least twenty five hours of major area course work.

At least five hours of free electives.

Such programs do not meet certification requirements by the State of Georgia.



# DEPARTMENT: PROGRAMS AND COURSES

Departmental requirements covering admissions, prerequisite courses, and other aspects of the programs of study are described in this section of the Bulletin.

## PROGRAM COORDINATORS

For each program of study, the department head on one campus serves as the Coordinator. The Coordinators alternate on a yearly basis between Armstrong State College and Savannah State College and commence their service in September of the year.

The Departmental Coordinators for the 1978-1979 year are:

Business Administration: Dr. Mary Torian (SSC).

Business Education: Dr. Thomas Eason (ASC).

Biology: Dr. Leslie Davenport (ASC).

Chemistry: Dr. Willie Tucker (SSC).

Education: Dr. William Stokes (ASC).

English: Dr. Luetta Milledge (SSC).

History and Political Science: Dr. Roger Warlick (ASC).

Mathematics: Dr. Richard Summerville (ASC).

## COURSES

Graduate courses are listed and described in each departmental section. The following course numbering system is used: courses numbered 500-599 may be taken by undergraduate or graduate students and, in some cases, are courses that are cross-listed as both 400 and 500 courses. Courses numbered 600-699 or higher are for graduate students only.

Each course listed shows the departmental identification, the course number, the course name, a code number and the campus location. The code number indicates: with the first number, the hours of lecture per week, with the second number the hours of lab per week; and with the third number the *quarter hours of credit* for the course. Example: Chemistry 522. Inorganic Chemistry (3-0-0).

Statements on prerequisites, campus location and descriptions follow the course numbers.

## BUSINESS ADMINISTRATION

### FACULTY

Dr. Thomas R. Eason, Department Head, (ASC); Dr. Mary Torian, Department Head, (SSC); Dr. Alban (ASC); Dr. Anderson (SSC); Dr. Bhatia (ASC); Dr. Hall (ASC); Dr. Laburtis (ASC); Dr. Lamb (ASC); Dr. McCarthy (ASC); Dr. O'Keefe (SSC); Dr. Richards (ASC); and Dr. Singh (SSC).

Coordinator — 1978-1979 — Dr. Mary Torian

*Program of Study Leading to the Degree  
Master of Business Administration*

### OBJECTIVE

The Master of Business Administration degree program is designed to give candidates a broad background of advanced professional training in organizational management.

### ADMISSION REQUIREMENTS

In addition to general admission requirements and procedures for all graduate programs stated earlier in this bulletin, more specific requirements for admission to the MBA program are given below:

All applicants for admission to the MBA program are required to take the Graduate Management Admissions Test. This test is administered at Savannah State College and at other testing centers once each quarter. The test is designed to measure *aptitude* for graduate study in business and is not a measure of knowledge in specific subjects. Therefore, applicants should not delay taking this examination simply because they have not had specific course work in business.

### REGULAR ADMISSION

To qualify for admission to full graduate status in the MBA program, applicants must show competence in the common business core of knowledge, which requires a basic understanding of accounting, economics, finance, management, marketing, and statistics. Students who have received a bachelor's degree in business generally have fulfilled this requirement, but students with degrees in other disciplines will need preparatory work in these areas before beginning MBA course work. The preparatory requirements may be met by the satisfactory completion of not less than one course (equivalent to 5 quarter hours or 3 semester hours) in each of the following areas:

Accounting	(Principles, Managerial, or Cost)
Economics	(Micro and Macro Principles)

Finance	(Business, Corporate, or Managerial
Management	(Principles)
Marketing	(Principles)
Statistics	(Elements of)

Normally, thirty hours of preparatory work will be the maximum required, but students should recognize that one course in accounting and one course in economics will provide only a minimum level of preparation for graduate course work. A better preparation could easily improve the performance in related graduate courses by one letter grade or even two.

These preparatory requirements may be satisfied by taking appropriate courses on campus, or by correspondence, or by scoring not less than the fiftieth percentile on the appropriate subject examination(s) of the CLEP (College Level Examination Program). The CLEP examinations are available through the testing services of either College.

In addition to appropriate preparatory work, regular admission status requires that one of the following admission standards be met:

1. An undergraduate grade point average of 2.5 and a score of not less than 450 on the Graduate Management Admission Test (GMAT) *or*
2. An undergraduate grade point average of 3.0 and a score of not less than 400 on the GMAT, *or*
3. An undergraduate grade point average of 2.75 and a score of not less than 425 on the GMAT, or other combinations of grade point averages between 2.5 and 3.0 in conjunction with GMAT scores between 450 and 400 on an inverse scale.

### PROVISIONAL ADMISSION

Provisional admission will be granted to those applicants who meet all the requirements for regular admission with the exception of preparatory course work. Upon satisfactory completion of the prerequisite courses, the conditional status will be removed and regular admission status will be accorded.

Provisional Admission may also be granted to a limited number of applicants who fail to meet the admission standards for regular admission but, nevertheless, present evidence of a reasonable prospect of success in the program. For this category of admission applicants must have, in addition to appropriate preparatory work, one of the following:

1. An undergraduate grade point average of 2.2 and a score of not less than 425 on the Graduate Management Admission Test (GMAT), *or*
2. An undergraduate grade point average of 2.7 and a score of not less than 375 on the Graduate Management Admission Test, *or*



3. Other combinations of grade point averages between 2.2 and 2.7 in conjunction with GMAT scores between 425 and 375 on an inverse scale.

Upon completion of twenty-five hours of graduate course work with a "B" average, the Provisional Admission status will be changed to regular admission, providing the course prerequisite requirements for Regular Admission have been satisfied. Failure to maintain a "B" average in the first twenty-five hours of graduate work will result in being dropped as a degree-status student.

#### ADMISSION STATUS AS A PREREQUISITE TO MBA COURSES

Stipulations and problems related to the pursuit of graduate study in the business administration courses are such that students should meet those conditions identified above under either the Regular or the Provisional Admissions categories in order to enroll in any MBA courses. Post Baccalaureate admission status offers little opportunity for graduate study in business administration and is granted to MBA students primarily to identify applicants who have not yet submitted a satisfactory GMAT score or a satisfactory G.P.A. or have not completed the preparatory courses.

#### ADVISEMENT

Upon admission to the graduate program, each student will be assigned a faculty adviser. The faculty adviser will approve the scheduling of course work, recommend the student for candidacy, and serve as chairman of the student's comprehensive examination committee.



## COURSE REQUIREMENTS

The Master of Business Administration program requires forty-five quarter hours of core course requirements and an additional fifteen quarter hours of electives from graduate course offerings.

*Quarter Hours*

### I. Core requirements .....45

BAD 602—Managerial Micro Economics (ASC)  
 BAD 610—Managerial Statistics (SSC)  
 BAD 611—Quantitative Methods in Business (ASC)  
 BAD 620—Managerial Finance (ASC)  
 BAD 630—Managerial Costing and Control (SSC)  
 BAD 650—Marketing Problems Seminar (SSC)  
 BAD 660—Advanced Management Seminar (ASC)  
 BAD 662—Human Behavior in Organization (SSC)  
 BAD 665—Administrative Policy (ASC or SSC)

### II. Electives .....15

BAD 601	BAD 612	BAD 621	BAD 661
BAD 604	BAD 613	BAD 640	BAD 663
BAD 605			

### III. Balance of Courses.

Students are required to take one-half of their course work on each campus. Responsibility for the MBA courses is divided between the two sponsoring colleges as indicated below:

#### *Required Courses*

<i>Savannah State College</i>		<i>Armstrong State College</i>	
BAD 610	BAD 650	BAD 602	BAD 620
BAD 630	BAD 662	BAd 611	BAd 660
BAD 665 offered at SSC or ASC			

All courses are scheduled to be offered in early and late evening periods. Courses are offered on one campus on Monday and Wednesday and the other on Tuesday and Thursday. Thus, there are four non-conflicting evening periods. Each required course is offered every other quarter. A full-time student, having all undergraduate prerequisite courses, may complete the MBA program in four consecutive quarters.

## ADMISSION TO CANDIDACY

It will be the responsibility of the student to make application for admission to candidacy after the completion of all prerequisite courses and twenty-five hours of graduate course work. This application will be submitted to the faculty adviser. Admission to candidacy is contingent upon verification that the student has attained a "B" average in twenty-five hours of course work and has met all regular admission requirements including:

1. an acceptable score on the Graduate Management Admissions Test.
2. completion of all undergraduate prerequisite courses.
3. removal of provisional admission status, when applicable.

## COMPREHENSIVE EXAMINATION

A final comprehensive examination, to be scheduled in a student's final quarter and at least two weeks prior to graduation, is required of all candidates for the Degree of Master of Business Administration. The final examination will be conducted by a committee consisting of the student's faculty adviser as chairman and other members of the graduate faculty appointed by the MBA Coordinator. The date of the examination, the time and place, will be set by the Coordinator after consultation with the faculty adviser.

The Coordinator shall notify the student and the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the committee.

The candidate is expected to demonstrate an adequate understanding of the common core of knowledge in business, economics, and statistics, and competency to discuss advanced material in those areas in which he has had graduate course work.

The examining committee's decision on the candidate's performance on the comprehensive examination shall be reported as "S" or "U" to the Deans for Graduate Studies within three days after the examination. Should the decision be reported as "U," the committee will outline a program of corrective action to be taken by the candidate prior to his being re-examined.

### *Graduate Courses in Business Administration*

It should be understood that prerequisite to all MBA courses, the student must satisfy requirements in the common body of knowledge of business and administration as stated above. Waivers *may* be granted for *certain* courses.

BAD 601. Macro Economic Analysis. (5-0-5). SSC.

National income accounting. Determinants of national income, employment, price level and growth rates.

BAD 602. Managerial Economics. (5-0-5). ASC.

Economic analysis applied to decision making at the level of the firm. Analysis of demand, pricing, and cost. National income and firm forecasting problems. Financial and long term planning.

BAD 604. Business Relations with Government and Society. (5-0-5). ASC.

The business environment with consideration of the economic, legal and social implications for policy making.

BAD 605. Special Economic Problems. (5-0-5). ASC.

Analysis of current economic issues.

BAD 610. Managerial Statistics. (5-0-5). SSC.  
Applications in economic and business statistics.

BAD 611. Quantitative Methods in Business. (5-0-5). ASC. Prerequisite:  
BAD 610 or permission of instructor.

The application of models and mathematical techniques to modern decision-making.

BAD 612. Seminar in Business Research. (5-0-5). SSC.

The application of research methods in both the internal and external domains of business. Guided research in a substantive field of the student's choice, i.e., finance, marketing, accounting, management, forecasting, or any other area in which the objectives of the research project is the acquisition of information useful to business enterprise.

BAD 613. Administrative Communications. (5-0-5). ASC.

The role of communication in effective business management; theory and principles necessary for practical applications; study of communication Problems within, between and among organizations, industry and their groups.

BAD 620. Managerial Finance. (5-0-5). ASC.

Analysis of financial problems and policies.

BAD 621. Investment Management. (5-0-5). ASC.

The theory and tools of analysis required in the management of financial assets from the viewpoint of the investor and the investment adviser. investment media, markets, problems, practices, and philosophies will be studied.

BAD 630. Managerial Costing and Control. (5-0-5). SSC.

The study of physical and monetary input-output relationships and use of such cost studies for managerial strategy, planning, and control.

BAD 640. Information Systems. (5-0-5). SSC.

Total Information Systems for managerial strategy, planning and control.

BAD 650. Marketing Problems Seminar. (5-0-5). SSC.

An examination of new developments in the dynamic field of marketing from the viewpoint of the marketing decision-maker.

BAD 660. Advanced Management Seminar. (5-0-5). ASC.

The historical foundations and development of management concepts. Emphasis is upon developing concepts in dealing with emerging problems of management.

BAD 661. Theory of Organization. (5-0-5). SSC.

A universally applicable study of organizations and their structures. Organizational factors and associated concepts are examined and analyzed.



BAD 662. Human Behavior in Organization. (5-0-5). SSC.

Contributions and limitations of the behavior sciences in the development of modern organization theory.

BAD 663. Industrial Relations. (5-0-5). ASC.

Modern industrial relations and its background. Current problems in labor relations.

BAD 665. Administrative Policy. (5-0-5). ASC or SSC. Must be taken in the last or next to last quarter of the M.B.A. Program.

Policy-making and administration from the top management point of view, encompassing the entire field of organizations.

*Program of Study Leading to the Degree  
Master of Education in Business Education*

Coordinator — 1978-1979 — Dr. Thomas Eason

### OBJECTIVES

The objectives of the graduate program leading to the Master of Education Degree in Business Education are to prepare master teachers of business and vocational business education and to prepare individuals for administrative and supervisory positions in these specialties for the secondary and junior college levels.

In keeping with the objectives of the Joint Graduate Studies Program, the M.Ed. in business education is designed for furthering professional growth and competency, expanding professional and cultural backgrounds, and extending knowledge and understanding in business education.

This program supplements undergraduate studies for the T-4 Certificate to teach in Georgia and provides opportunities for candidates to obtain the T-5 Certificate upon completion of the prescribed curriculum in business education.

### ADMISSION REQUIREMENTS

Formal admission to the degree program should be sought through the Admissions Office of the Joint Graduate Program as described in the General Admissions section of this *Bulletin*.

In accordance with general admission policies, Regular Admission with full graduate status requires the minimum 2.5 cumulative undergraduate average with a score of at least 550 on the N.T.E. Common (or 800 on the G.R.E. Aptitude). Regular Admission also requires a score of not less than 560 on the business education area examination of the NTE.

Provisional Admission may be granted to those students who show potential for successful pursuit of graduate studies. In accordance with



general admission policies, Provisional Admission requires the minimum G.P.A. and test score as called for in the general admission requirements. Provisional Admission also requires a score of not less than 540 on the business education area examination of the NTE.

### ADVISEMENT

Each student admitted to the program in Business Education will be assigned an adviser. As soon as the student is notified of this assignment, he should arrange for a conference with his or her adviser.

### TRANSFER OF CREDIT

Transfer of credits will be evaluated for full credit up to 25% of the required hours for graduation, but these credits must meet the general graduate policies on transfer of credit.

### GRADUATION REQUIREMENTS

1. A minimum of 60 quarter hours of graduate course work with a B average (3.00) is required for graduation with an M.Ed. degree in Business Education.
2. After admission to regular status in the graduate program, and upon completion of 25 quarter hours of satisfactory graduate work, the student should file application for candidacy in quadruplicate to the major department.
3. During the quarter preceding the final intended quarter of matriculation for the M.Ed. degree in Business Education (and by the deadline specified on the academic calendar), the candidate must file an application for the degree with the Graduate Studies Office.
4. During the final quarter of residence, a candidate must pass a final comprehensive examination in the field. The Business Education Coordinator shall notify the student and the Deans for Graduate Studies ten (10) days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the committee. The examining committee's decision on the candidate's performance on the comprehensive examination will be reported as "pass" or "fail" to the Deans for Graduate Studies within three (3) days after the examination.

## COURSE REQUIREMENTS

The basic plan of the curriculum is summarized as follows:

	<i>Quarter Hours</i>
Professional Education Courses .....	.20
Business Education Content Courses .....	.35
(Includes BED 601 (5 hours), BED 611 (5 hours) and 10 hours of Business Administration cognate courses.)	
Electives .....	5
Total .....	.60

The curriculum is designed with several options to meet the needs of varying specialists in the field of business teacher education. The course content of these options comes from appropriate selection of courses in the 30-hour business education content area, including the 10 hours of cognate courses. These options and specific courses required under each are:

Option 1. Administration and Supervision:

Required Courses: BED 601, 603, 611 and 612

Option 2. Stenographic-Clerical:

Required Courses: BED 601, 611, 621, and 622.

Option 3. General Business and Accounting:

Required Courses: BED 601, 611, 631, and 632.

Option 4. Data Processing:

Required Courses: BED 601, 611, 623, and 624.

	<i>Quarter Hours</i>
I. Professional Education Course Requirements .....	.20
EDN 631—Social Foundations of Education (ASC)	
plus	
EDN 641—Curriculum Planning (SSC)	
plus	
EDN 671—Educational Research (ASC)	
plus	
EDN 621—Advanced Studies in Human Growth and Development (SSC)	
or	
EDN 622—The Nature and Conditions of Human Learning (SSC)	

II. Content Course Requirements .....35

Content courses, including cognate courses, and electives will be selected by the student based on his interests, aptitudes, and professional goals. A thesis option is available through registration in BED 690. BED 601 and BED 611 are required.

BED 601	BED 611	BED 622	BED 632
BED 602	BED 612	BED 623	BED 690
BED 603	BED 621	BED 631	BED 700

All of the above courses carry 5 hours credit except 690 and 700 which carry 10 hours of credit each.

Special Summer Workshop Courses Available

- BED 620—10 hours; combines BED 621 and 622
- BED 630—10 hours; combines BED 631 and 632
- BED 640—10 hours; combines BED 623 and 624

Workshops are offered alternately on each campus.

Business Administration Cognate Courses

As a part of the content area, a *minimum of 10 hours of Business Administration courses is required*. These courses, selected in conference with the student's adviser, should complement the selected option of concentration.

III. Elective Course Requirements .....15

The 15 hours of electives may be selected from Business Administration courses and should complement the selected option of concentration. An appropriate course in exceptional children (EXC 522) must be taken if not taken previously.

IV. Balance of Courses.

Students will fulfill the balance of courses requirement by taking one-half of their required courses and one-half of their elective courses at each College. For the campus location of the Education courses, see the Education Department section of this *Bulletin*. For the campus location of the Business Administration courses, see the Master of Business Administration degree program in this section of this *Bulletin*. A guide to the campus location of the business Education courses is given below.

<i>Savannah State College</i>		<i>Armstrong State College</i>	
BED 611	BED 624	BED 601	BED 621
BED 612	BED 632	BED 602	BED 623
BED 622	BED 700	BED 603	BED 631

BED 690 offered at both Colleges.  
BED 620, 630, and 640—For more information, contact the Coordinator.

TEACHER CERTIFICATION

The student who does not hold the Georgia T-4 teaching certificate or its equivalent must satisfy the regulations of the State Department of Education through additional courses as may be required. See section on Teacher Certification under General Degree Requirements.



## *Graduate Courses in Business Education*

BED 601. Principles, Problems, and Curriculum Development in Business Education. (5-0-5). ASC.

An intensive view of the basic principles and criteria for developing effective programs in business education on all levels, with special attention to problems of identification, growth, and contributions.

BED 602. Current Problems and Issues in Vocational Business Education. (5-0-5). ASC.

A study of the principles of vocational education; federal and state legislation as it pertains to programs of vocational education; the organization and operation of vobe programs; and related research.

BED 603. Evaluation of Research and Empirical Literature in Business Education. (5-0-5). ASC.

Critical analysis of research studies in business education; study and development of reports, research studies; investigations, and method of recording and retaining data, with special emphasis on administrative data.

BED 611. Administration and Supervision in Business Education. (5-0-5). SSC.

Principles, policies, and procedures in developing appreciation and understanding of and knowledge and skill in the art of effective administration and supervision in business education.

BED 612. Guidance and Career Development in Business Education. (5-0-5). SSC.

The role of the business education teacher and administrator in developing an effective career development program: inclusive of selection, recruitment, and grade or curriculum placement; keeping personnel records; a testing and evaluation program; counseling; placement; and followup.

BED 621. Vocational Development in Shorthand and Typewriting. (5-0-5). ASC.

Problems in development of occupational proficiency in shorthand and typewriting; new media and evaluation of aptitudes, interests, and achievement for vocational competency.

BED 622. Vocational Development in Office Practice and Office Machines. (5-0-5). SSC.

Enrichment of selected modules for developing vocational competency in the capstone course in Office Practice and in Office Machines.

BED 623. Introduction to the Teaching of Data Processing. (5-0-5). ASC.

Introduction to data processing; development of key punching and basic programming skills.

BED 624. Vocational Development in the Teaching of Data Processing. (5-0-5). SSC. Prerequisite: Mathematics 306 or equivalent computer programming skill.

Systems, program languages, computer and keypunch operation, other input devices for developing modules and techniques of teaching modern methods of data processing.

BED 631. Improved Techniques and Media for Teaching General Business. (5-0-5). ASC.

An intensive concentration on objectives, instructional materials, media, teaching techniques, and evaluation procedures for general business and social business subjects.

BED 632. Improved Techniques and Media for Teaching Bookkeeping and Accounting. (5-0-5). SSC.

The development of enrichment materials and techniques for effective teaching and learning in bookkeeping and accounting.

BED 690. Research and Thesis. (10 quarter hours). ASC and SSC. (Grade awarded, S or U only.)

An in-depth study and concentration in the development of the thesis research problem. Seminar sessions for progress reporting and critical analysis.

BED 700. Internship in Teaching and/or Administrative Office Practice. (10 quarter hours). SSC. (Grade awarded, S or U only.)

Internship teaching in vocational or secondary schools for those with needs in this area; full time work experience in structured offices for experienced teachers.

BED 620. Workshop for Vocational Development in Stenographic Skills. (10 quarter hours).

Intensive concentration involving the development of techniques and skills incorporated in BED 621 and BED 622 as described above.

BED 630. Workshop for Vocational Development in General Business and Accounting. (10 quarter hours).

Intensive concentration involving the development of techniques and skills incorporated in BED 631-632 as described above.

BED 640. Workshop for Vocational Development in Data Processing. (10 quarter hours).

Intensive concentration involving the development of programming skills and the teaching of data processing. Combines BED 623 and 624.

# BIOLOGY

## FACULTY

Dr. Leslie Davenport, Department Head, (ASC); Dr. Margaret Robinson, Department Head, (SSC); Dr. Beumer, (ASC); Dr. Emeh, (SSC); Dr. Guillou, (ASC); Dr. Hunter, (SSC); Dr. Krishnamurti, (SSC); Dr. Nambiar, (SSC); Dr. Pingel, (ASC); Dr. Singh, (SSC); Dr. Thorne, (ASC); and Dr. Woodhouse, (SSC).

Coordinator — 1978-1979 — Dr. Leslie Davenport

*Program of Study Leading to the Degree  
Master of Education in Biology*

### ADMISSION REQUIREMENTS

Admission to graduate courses in biology requires that a student meet the general admission requirements of the Joint Graduate Studies Program and be formally admitted as a graduate student.

### ADVISEMENT

Each student will be assigned an academic adviser from the Joint Graduate Biology Faculty and a professional adviser from the Joint Graduate Education Faculty. The student must meet with each of his advisers and plan his program under their guidance, and should have at least one conference per quarter with his academic adviser.

### COURSE REQUIREMENTS

	<i>Quarter Hours</i>
I. Professional Education Courses .....	20
EDN 671—Advanced Studies in Human Growth and Development	
or	
EDN 622—Nature and Conditions of Human Learning. (Both at SSC)	
plus	
EDN 631—Social Foundations of Education (ASC)	
plus	
EDN 641—Curriculum Planning (SSC)	
plus	
EDN 671—Educational Research (ASC)	
II. Biology, minimum .....	25

In order to receive the M.Ed. degree with a concentration in Biology, the student will be expected to have acquired at least the following credits in either his upper division undergraduate work or in graduate work:

15 quarter hours in botany  
15 quarter hours in zoology  
5 quarter hours in cell biology

If the entering student has had no courses in any of these areas, his graduate program in biology must include courses to assure this diversification. Each student must include 5



quarter hours credit for the course, BIO 630, Biological Sciences in the Secondary School, which may be credited as either Biology or Education.

The student entering the program with previous credits in biology will be required to take courses as needed in any of the indicated areas (botany, zoology, cell biology) to assure the prescribed minimum diversification. In addition to meeting the minimum requirement for diversification, he will elect courses with the advice of his graduate advisers to meet the total requirements of 25 hours of biology plus elective to comply with item three (III) below.

### III. Electives—Biology and Education.....15

No more than 20 quarter hours of graduate credit may be taken in either field (Biology or Education), but this should not be interpreted to restrict any course work which exceeds the minimum requirements for the degree. An appropriate course in exceptional children (e.g., EXC 522) must be taken if not taken previously.

### IV. Balance of Courses.

Students will fulfill the balance of courses requirement by taking one half of their required courses and one half of their elective courses at each of the two Colleges. A guide to the location of the biology courses follows:

<i>Savannah State College</i>			<i>Armstrong State College</i>		
BIO 500	BIO 525	BIO 630	BIO 550	BIO 540	ZOO 510
BIO 501	BIO 526	BOT 607	BIO 580	BIO 510	ZOO 525
BIO 502	BIO 527	BOT 615	BIO 605	BOT 525	ZOO 529
BIO 506	BIO 601	BOT 625	BIO 635	BOT 620	ZOO 535
BIO 515	BIO 609	BOT 626	BIO 640	ZOO 605	ZOO 645
BIO 520	BIO 612				ZOO 645

BIO 630 offered at either college

For location of Education Courses, see the Education Department section of this Bulletin.

## COMPREHENSIVE EXAMINATION

To receive the M.Ed. degree with a concentration in biology, each student is required to pass a comprehensive examination covering the areas in which he has had course work applicable to his degree. The examination may be oral or written. Oral examinations will last no more than one and one-half hours; written examinations will last no more than three hours. This examination will be completed no later than mid-term of the quarter preceding that in which graduation is anticipated. If the student should fail the examination, he may be re-examined orally or in writing, at the discretion of the departments, in areas of specific weakness only. The Coordinator shall notify the student and the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the committee. The result of the examination will be reported to the Deans for Graduate Studies within three days after the examination.

## *Graduate Courses in Biology*

*The following courses, open to both graduate and undergraduate students, are available at Savannah State College:*

**BIOLOGY 500. Physiological Ecology. (3-4-5). SSC. Prerequisites:** Principles of Ecology and Organic Chemistry.

A study of the anatomical, biochemical, and physiological adaptations of plants and animals to specific environments. Emphasis will be placed on the physiological problems faced by organisms common to the local salt marsh and marine environments.

**BIOLOGY 501. General Physiology. (3-4-5). SSC. Prerequisites:** Twenty hours of Biological Sciences, Organic Chemistry, and General Physics.

A study of the physics and chemistry of mechanisms underlying functional occurrences in living organisms, particularly those involved in homeostasis.

**BIOLOGY 502. Comparative Physiology. (3-4-5). SSC. Prerequisite:** General Physiology.

A systematic study of the functions of the organs in the animal kingdom and the physiological principles involved.

**BIOLOGY 506. Plant Physiology. (3-4-5). SSC. Prerequisites:** General and Field Botany and Organic Chemistry.

An introduction to cellular and organismal functions important in the life of green plants with emphasis on the physical and chemical basis of the observed properties and processes.

**BIOLOGY 515. Marine Biology. (3-4-5). SSC. Prerequisites:** General Botany and Invertebrate Zoology.

An introduction to the physiological and ecological biology of microorganisms, plants, and animals of the sea and its shores.

**BIOLOGY 520. Molecular Genetics. (3-4-5). SSC. Prerequisites:** Principles of Genetics and Organic Chemistry.

The nature and function of genetic material, genetic code and physical basis of inheritance. The study also includes genetic control of cellular metabolism; mechanism of gene action; genetic capacity for biosynthesis; gene enzyme relationship; and chemical nature of agents of heredity.

**BIOLOGY 525. Bacterial Physiology. (3-4-5). SSC. Prerequisites:** Microbiology and General Physiology.

A review of current knowledge of bacterial growth and reproduction considered at the molecular level. Study of cellular structure growth-kinetics, the synthesis of DNA, RNA and protein, the regulation of metabolism and general cellular physiology; the patterns of energy generation and biosynthesis and their regulation.

BIOLOGY 526. Virology. (3-4-5). SSC. Prerequisite: Microbiology.

A study of the biological, chemical, and physical characteristics of the viruses with emphasis on the techniques of isolation and cultivation.

BIOLOGY 527. Mycology. (3-4-5). SSC. Prerequisite: Microbiology.

A study of the ecology, physiology, and systematics of microfungi with emphasis on those forms of industrial or general economic importance.

*The following courses, open to both graduate and undergraduate students, are available at Armstrong State College:*

BOTANY 510. Plant Physiology. (3-4-5). ASC. Prerequisites: Botany 203 and Organic Chemistry.

A survey of physiological processes occurring in economic plants and the conditions which affect these processes.

BOTANY 525. Plant Morphology. (3-4-5). ASC. Prerequisite: Botany 203.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

BIOLOGY 540. Cytology. (2-6-5). ASC. Prerequisite: Two senior division courses in biology.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

BIOLOGY 550. Evolution. (5-0-5). ASC. Prerequisite: major in biology (at least 15 quarter hours credit in upper division courses).

Modern concepts in organic evolution.

BIOLOGY 580. General Ecology. (3-4-5). ASC. Prerequisites: Two upper division courses in biology (botany or zoology).

A survey of the principles of ecology and their application to the welfare of man, coordinated with a study of populations and communities in the field.

ZOOLOGY 510. General Vertebrate Physiology. (3-4-5). ASC. Prerequisites: Zoology 204 and Organic Chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 525. Marine Invertebrate Zoology. (2-6-5). ASC. Prerequisite: Zoology 325, or permission of instructor and department head.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOOLOGY 529. Endocrinology. (4-4-5). ASC. Prerequisites: Zoology 410 and one other senior division course in biology.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.



ZOOLOGY 535. Comparative Physiology. (3-4-5). ASC. Prerequisites: Zoology 204, and Organic Chemistry.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

*The following courses are open to graduate students only:*

BIOLOGY 601. Topics in Molecular and Cellular Biology. (3-4-5). SSC. Prerequisites: Complete sequence in Organic Chemistry and Principles of Genetics (5 hours). Recommended: Biochemistry and/or Microbiology.

Concepts of biochemistry and biophysics of cells, nutrition, metabolism and energy transfer molecular genetics, cellular anatomy and physiology, cytology, and ultrastructure.

BIOLOGY 609. Advanced Microbiology. (3-4-5). SSC. Prerequisites: Introductory Microbiology or Bacteriology (5 hours) and complete sequence in Organic Chemistry.

A study of important pathogenic microorganisms producing human disease, including characteristics of microorganisms, principles of host-parasite relationships, epidemiology, and immunity. Consideration will be given to microorganisms in their natural and unnatural environments with emphasis on techniques used in evaluation of their presence and affects in food, water, and soil.

BIOLOGY 612. Advanced Genetics. (3-4-5). SSC. Prerequisites: Principles of Genetics (5 hours) and complete sequence of Organic Chemistry.

Study of gene structure and gene action from a molecular viewpoint. Recent concepts and experimental approaches for recombinational analysis, mutagenesis, and metabolism of DNA, RNA and protein will be discussed.

BIOLOGY 630. The Biological Sciences in the Secondary Schools. (3-4-5). SSC. Prerequisite: Fifteen hours of biological sciences.

A course designed especially for high school biology teachers. A comprehensive study of national programs for high school biology with special emphasis on the BSCS approaches. Laboratory experiences will include utilization of actual BSCS materials and apparatus.

BIOLOGY 635. Advanced General Ecology. (3-4-5). ASC. Prerequisites: General Ecology or Plant Ecology or Animal Ecology (5 hours). Recommended. Statistics.

Studies of the processes and functional aspects of population and community ecology emphasizing interaction between structure and the environment. Consideration will be given to problems of environmental pollution.

BIOLOGY 640. Cellular Physiology. (3-4-5). ASC. Prerequisites: Complete sequence in Organic Chemistry and 5 hours of Physiology.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolisms, and growth.

BOTANY 607. Advanced Plant Physiology. (3-4-5). SSC. Prerequisites: One course in Plant Physiology (5 hours) and complete sequence in Organic Chemistry.

Comparative study of nutritional requirements, metabolism, growth and development, respiration, photosynthesis, and other processes in selected vascular and non-vascular plants.

BOTANY 615. Comparative Morphology of Non-Vascular Plants. (3-4-5). SSC. Prerequisites: General Botany (10 hours). Recommended: Plant Anatomy (5 hours).

Comparative morphology of non-vascular plants emphasizing identification, life histories, ecology, and evolutionary development.

BOTANY 620. Comparative Morphology of Vascular Plants. (3-4-5). ASC. Prerequisites: General Botany (10 hours). Recommended: Plant Anatomy (5 hours).

Comparative morphology of vascular plants emphasizing identification, life histories, ecology, and evolutionary development.

BOTANY 625. Field and Laboratory Botany. (3-4-5). SSC.

BOTANY 625. Field and Laboratory Botany. (3-4-5). SSC. Prerequisites: General Botany (10 hours) and Plant Systematics (5 hours).

A two-course sequence designed primarily for teachers, emphasizing the identification of local flora (vascular and non-vascular), phylogeny, environmental relationships, techniques for collection and preservation, and the selection and use of materials for correlating the study of plants with other subjects.

ZOOLOGY 605. Advanced Animal Physiology. (3-4-5). ASC. Prerequisites: One course in General Physiology (5 hours) and complete sequence in Organic Chemistry.

A study concerning functional activities of living organisms including humans in terms of both cellular and systemic functions. These topics include biological energetics, electrolyte distribution, transport through membranes, and colloidal state in biological systems.

ZOOLOGY 645. Field and Laboratory Zoology. (3-4-5). ASC.

ZOOLOGY 646. Field and Laboratory Zoology. (3-4-5). ASC. Prerequisites: Fifteen hours of biological sciences.

A two-course sequence designed primarily for teachers, emphasizing the identification of local fauna (vertebrate and invertebrate), phylogeny,

environmental relationships, techniques for collection and preservation, and the selection and use of materials for correlating the study of animals with other subjects.

CHEMISTRY  
FACULTY

Dr. Henry Harris, Department Head, (ASC); Dr. Willie Tucker, Department Head, (SSC); Dr. Brewer, (ASC); Dr. James, (SSC); Dr. Menon, (SSC); Dr. Raut, (SSC); Dr. Robbins, (ASC); and Dr. Stratton, (ASC).

Coordinator — 1978-1979 — Dr. Willie Tucker

*Program of Study Leading to the Degree  
Master of Education in Chemistry*

ADMISSION REQUIREMENTS

Students entering the M.Ed. program in Chemistry must meet the general admission requirements of the Joint Graduate Studies Program and must take the chemistry area examination of the National Teacher Examinations (NTE) in order to qualify for degree-seeking status.

ADVISEMENT

Each student will be assigned an academic adviser from the Joint Graduate Chemistry Faculty and a professional adviser from the Joint Graduate Education Faculty. The student must meet with each of his advisers and plan his program under their guidance and should have at least one conference per quarter with each adviser.

COURSE REQUIREMENTS

	<i>Quarter Hours</i>
I. Professional Education Courses .....	20
EDN631—Social Foundations of Education (ASC).	
EDN 632—Advanced Studies in Human Growth and Development (SSC) or EDN 622—The Nature and Conditions of Human Learning (SSC).	
EDN 641—Curriculum Planning (SSC).	
EDN 671—Educational Research (ASC).	
II. Chemistry Courses .....	25
These courses are selected, in consultation with the student's chemistry adviser from the graduate courses in chemistry.	
III. Electives .....	15
Electives are to be chosen through advisement and according to individual needs and may include courses in chemistry, education, or a suitable third field with the prior approval of the student's advisers. An appropriate course in exceptional children (e.g., EXC 522) must be taken if not taken previously.	



#### IV. Transfer of Credits.

Students who have earned graduate credits at an accredited institution may transfer a limited number of credits to be applied toward the M.Ed. degree in chemistry. Transfer of credit is handled on an individual basis.

#### V. Balance of Courses.

Students will fulfill the balance of courses requirements by taking one half of their required courses and one half of their electives courses at the two Colleges. A guide to the location of the courses follows:

<i>Savannah State College</i>		<i>Armstrong State College</i>	
CHEM 500	CHEM 631	CHEM 522	CHEM 662
CHEM 541	CHEM 641	CHEM 551	CHEM 681
CHEM 581	CHEM 682	CHEM 561	CHEM 683
CHEM 592	CHEM 692	CHEM 591	CHEM 691
CHEM 600	CHEM 694	CHEM 600	CHEM 693
CHEM 610	CHEM 699	CHEM 642	CHEM 698
CHEM 621			

A guide to the campus location of the education courses is in the Education Department section of this bulletin.

### COMPREHENSIVE EXAMINATION

To receive the M.Ed. degree with a concentration in chemistry, each student is required to pass a comprehensive examination covering the areas in which he has had course work. The examination may be oral or written. Oral examinations will last no more than one and one-half hours; written examinations will last no more than three hours. This examination will be completed no later than mid-term of the quarter preceding that in which graduation is anticipated. If the student should fail the examination, he may be reexamined orally or in writing, at the discretion of the departments, in areas of specific weakness only. The Coordinator shall notify the student and the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the committee. The result of the examination will be reported to the Deans for Graduate Studies within three days after the examination.

### *Graduate Courses in Chemistry*

CHEMISTRY 500. Introduction to Chemical Research. (2-0-2). SSC.

This course outlines systematic methods of literature research and preparation research outlines from reference to original articles.

CHEMISTRY 522. Inorganic Chemistry. (3-0-3). ASC.

Modern theory of structures and bonding, acid-base theories, and properties of some rare elements and unusual compound will be detailed. The latter includes nonstoichiometric compounds, rare gas compounds, and coordination complexes.

CHEMISTRY 541. Organic Chemistry. (3-0-3). SSC.

Basic organic chemistry to include structures, reactions, and reaction mechanisms.

CHEMISTRY 551. History of Chemistry. (5-0-5). ASC.

The development of science surveyed from antiquity to the present. Emphasis is placed on the development of ideas, men who made significant contributions, evolution of chemical theories and the modern social implications of science.

CHEMISTRY 561. Biochemistry. (4-3-5). ASC.

Study of buffers, carbohydrates, lipids, nucleic acids, amino acids, proteins, enzymes, the citric acid cycle and other metabolism routes.

CHEMISTRY 581. Analytical Chemistry. (3-0-3). SSC.

The basic principles, theories, and application of fundamental analytical chemistry are examined. The concepts of dynamic equilibrium, gravimetric and volumetric analysis are stressed.

CHEMISTRY 591. Physical Chemistry. (5-0-5). ASC.

This course is designed to cover the basic principles of thermodynamics and molecular structure and their applications to chemical systems.

CHEMISTRY 592. Physical Chemistry. (5-0-5). SSC. Prerequisite: Chemistry 591.

Topics to be discussed will vary and will include subjects such as surface chemistry, photochemistry, irreversible processes and crystal structure.

CHEMISTRY 600. Chemical Research. (0-15-5). SSC or ASC.

Research under the supervision of a member of the Joint Graduate Chemistry Faculty.

CHEMISTRY 610. Radiochemistry. (2-3-3). SSC.

A general course dealing with nuclear structure, radioactive properties and decay characteristics of radioisotopes, their production and purification. Different types of detection of radiation, identification of radioisotopes and their practical applications will also be discussed.

CHEMISTRY 621. Chemistry for High School Teachers. (4-3-5). SSC.

This course covers CHEM Study material and also Chemical Bonding Approach material for high school teachers.

CHEMISTRY 631. Development of Chemical Theories. (3-0-3). SSC.

A study of the basic principles upon which well known chemical theories are founded. Topics such as the kinetic molecular theory, chemical equilibria, and spectroscopy will be discussed.

CHEMISTRY 641. Advanced Organic Chemistry. (3-0-3). SSC. Prerequisite: Chemistry 541.

Discussion of significant principles of organic chemistry.

CHEMISTRY 642. Advanced Organic Chemistry. (2-0-2). ASC.

Discussion of significant principles of chemical bonding, stereochemistry and conformation analysis, spectroscopy and similar topics which are applicable to an understanding of organic chemistry.

CHEMISTRY 662. Biochemistry. (3-0-3). ASC. Prerequisite: Chemistry 561.

A consideration of the chemical and physical principles employed in the study of macromolecules of biological importance.

CHEMISTRY 681. Advanced Analytical Chemistry. (3-0-3). ASC. Prerequisite: Chemistry 581.

Advanced theories and methods of analytical chemistry.

CHEMISTRY 682. Advanced Analytical Chemistry. (2-0-2). SSC.

The current problems facing analytical chemistry are used to coordinate and to examine contemporary thought in this field. Problems such as trace environmental analysis, analysis of unique materials and non-destructive analysis will be treated.

CHEMISTRY 683. Instrumental Analysis. (2-3-5). ASC. Prerequisite: Chemistry 581.

A study of the fundamental principles, construction and operational characteristics of modern instrumentation as related to physiochemical analytical techniques. Optical, electrometric and chromatographic separation procedures are discussed and practiced.

CHEMISTRY 691. Advanced Physical Chemistry. (3-0-3). ASC.

An advanced study of molecular structure, the physical properties of matter and the nature of chemical bonding.

CHEMISTRY 692. Chemical Thermodynamics. (3-0-3). SSC.

A primary study of classical thermodynamics and energetics with applications to chemical systems.



CHEMISTRY 693. Quantum Chemistry. (3-0-3). ASC.

A review of classical mechanics and the rise of wave mechanics. Applications of wave mechanics to simple molecules and approximation methods will be considered. A conceptual formulation of the quantum theory and discussion of the one-dimensional Schroedinger equation.

CHEMISTRY 694. Chemical Kinetics. (3-0-3). SSC.

A study of rate processes and reaction mechanisms. Topics such as theories of reaction rates, activation energies, reactions in solution, homogenous and heterogenous catalysis, and experimental method will be covered.

CHEMISTRY 698. Seminar (2-0-2) and Chemistry 699, Seminar (2-0-2). ASC and SSC.

Discussion of selected topics.

## EDUCATION

### FACULTY

Dr. Thelma Harmond, Department Head, (SSC); Dr. William Stokes, Department Head, (ASC); Dr. J. C. Adams, (SSC); Dr. J. V. Adams, (ASC); Dr. Agyekum, (SSC); Dr. Barber, (ASC); Dr. Bland, (ASC); Dr. Burgess, (SSC); Dr. Cochran, (SSC); Dr. Eaton, (SSC); Dr. Gadsden, (SSC); Dr. Lane, (ASC); Dr. Lawson, (SSC); Dr. Newberry, (ASC); Dr. Robinson, (SSC); Dr. Sartor, (SSC); Dr. Stephens, (SSC); Dr. Summer, (SSC); and Dr. Ward, (ASC).

Coordinator — 1978-1979, — Dr. William Stokes

### *Programs of Study Leading to the Degree Master of Education*

In Early Childhood Education, Elementary Education, and Special Education-Behavior Disorders.

With Programs or Courses Leading to Masters Level Certification for:

Early Childhood Education	K-4
Elementary Education	4-8 (Middle School)
Special Education	9-12 (Secondary Education,
Supervising Teacher	Specific Areas)
Reading Specialist	

## OBJECTIVES

The M.Ed. degrees are designed to provide T-5 certification according to levels and specific areas as stipulated by the Georgia State Department of Education. Degree programs for specific, secondary areas of certification such as history, English, biology, etc. are described in the chapters of this catalogue devoted to these content areas. The education department par-

ticipates in each such program but also offers by itself several programs leading to certification, such as Special Education-Behavior Disorders, Reading Specialist, etc. The education department heads can provide guidance for meeting the certification requirements for newer categories of certification (K-4 and 4-8).

By offering advanced preparation to those who professionally serve in schools, the Colleges hope to aid in the development of teachers who possess the highest qualities of character, commitment, and professional competence. This aim will be facilitated by (1) encouraging the student to do scholarly study in advanced professional, specialized and general education subject matter; (2) helping the student become acquainted with the most recent research developments in child developments in child growth and development and the latest trends in curriculum; (3) deepening his appreciation for performance in scientific investigation and research; and (4) promoting personal and professional maturity of the student that will be reflected in his relationships as he goes about his work in the community and in the field of education.

## **ADMISSION REQUIREMENTS**

Students entering the elementary education, the early childhood, and the special education programs must satisfy all general admission requirements of the Joint Graduate Program. Elementary and early childhood education students must submit scores on both the "Commons" and the area examinations of the National Teacher Examinations (NTE).

## **ADVISEMENT**

Shortly after admission each student will be assigned an adviser in the Department of Education. As soon as he is notified of this assignment, the student should schedule an appointment with his adviser to determine any conditions and specific requirements the student must meet in order to complete both his degree and certification objectives.

## **TRANSFER COURSES**

Students should note carefully the general sections on Transfer of Graduate Credits and Academic Advisement on pages 26 and 25 and must adhere to these requirements; students should also note requirements for CATES courses on page 30.

## **COURSE REQUIREMENTS ELEMENTARY EDUCATION PROGRAMS**

The Department of Education offers several specialization programs under the aegis of the M.Ed. degree in elementary education. These

specialized programs of study provide, in addition to the graduate major in elementary education which leads to T-5 certification in this area, opportunity for students to qualify for certain other kinds of certification. Students should inquire at the Department of Education for certification opportunities provided by these specialized programs.

Graduate students majoring in elementary education must complete a minimum of sixty quarter hours of approved courses. These hours are divided as follows: Professional Sequence—20 hours; Specialization Courses—25 hours; and Approved Electives—15 hours. *One course in reading must be taken if not taken previously as well as an appropriate course in exceptional children if not taken previously.*

The specialized content courses for elementary education may be chosen from the following areas: art and music; foreign languages; health and physical education; languages arts, including reading, literature, speech, linguistics; mathematics and science; and the social studies. Educational background, types of teaching experience, specific needs, interests and the goals of students will be the determinants for staff advisement in student selection of content areas. Upon the basis of the foregoing factors, students may choose specialized courses from two or from several of the content areas.

	<i>Quarter Hours</i>
I. Professional sequence courses .....	20
<i>Required of students in all elementary education programs.</i>	
EDN—621—Advanced Studies in Human Growth and Development or	
EDN 622—Nature and Conditions of Human Learning. (Both at SSC)	
plus	
EDN 631—Social Foundations of Education (ASC)	
plus	
EDN 641—Curriculum Planning (SSC)	
plus	
EDN 671—Educational Research (ASC)	
II. Courses appropriate to major field and specialization .....	40
A. Courses for the conventional major in elementary education.	
1. Major field (content) courses in elementary education .....	25
Selected, with advisement, from the following courses:	
EDN 540—Teaching Language Arts in Elementary School (ASC)	
EDN 541—Methods of Teaching Reading (ASC)	
EDN 542—Reading and Literature for Children (SSC)	
EDN 591—Science for Elementary and ECE Teachers (ASC)	



EDN 601—The Language Arts in the Educative Process (SSC)	
EDN 642—Seminar in Elementary Education (SSC)	
EDN 643—Problems in Reading (SSC)	
EDN 691—Environmental Science (ASC)	
EDN 696—Geography for Elementary Teachers (SSC)	
EDN 697—Social Studies for Elementary and ECE Teachers (ASC)	
MATH/EDN 592—Modern Mathematics for Elementary and ECE Teachers (ASC)	
ZOO/EDN 692—Zoology for Elementary Teachers (SSC)	
BOT/EDN 693—Botany for Elementary Teachers (SSC)	
CHEM/EDN 694—Chemistry for Elementary Teachers (SSC)	
PSci/EDN 695—Earth Science for Elementary Teachers (SSC)	
2. Electives .....	15
Elective courses selected with advisement.	
B. Courses for a major in elementary education with a specialization in early childhood education.	
1. Major field courses in elementary education .....	25
<i>Same as in A above.</i>	
2. Specified electives only; prescribed courses are: .....	15
EDN 627—Child Growth and Development (ASC)	
EDN 647—Curriculum for Early Childhood Education (SSC)	
EDN 802—Practicum in Early Childhood Education (ASC or SSC)	
C. Courses for a major in elementary education with a specialization in supervising teacher services. *	
1. Major field courses in elementary education .....	25
<i>Same as in A above.</i>	
2. Specific electives only; prescribed courses are: .....	15
EDN 581—Directing and Evaluating Student Teaching *	
EDN 582—Internship for Supervising Teachers *	
EDN 583—Seminar in Supervision *	
D. Courses for a major in elementary education with a specialization in reading.	
1. Specialization courses in reading .....	25
<i>Selected, with advisement, from the following courses; other courses not listed here may be identified by advisement.</i>	
EDN 541—Methods of Teaching Reading (ASC)	
EDN 643—Problems in Teaching Reading (SSC)	
EDN 644—Issues in Diagnosing and Prescribing in the Reading process (SSC)	

\*See departmental section on balance of courses.

- EDN 653—Remedial Reading (Practicum) (ASC)  
 EDN 654—Organization and Supervision of the  
 Reading Program (ASC)  
 EDN 545—Reading in the Secondary School (SSC)  
 2. Approved electives .....15  
 These courses specified by the Education Department to insure meeting elementary education major requirements.

### III. Balance of Courses.

Students will fulfill the balance of courses requirement by taking one-half of their required courses and one-half of their elective courses at each College. A guide to the location of the courses follows these program outlines.

## COURSE REQUIREMENTS EARLY CHILDHOOD EDUCATION

- |  | <i>Quarter hours</i> |
|--|----------------------|
| I. Professional Sequence Courses .....   | 20                   |
| Same as Elementary Education Professional Sequence   |                      |
| EDN 621 or EDN 622   | EDN 641              |
| EDN 631  | EDN 671              |
| II. Courses appropriate to the early childhood education major .....                           | 40                   |
| A. Content courses to cover diversified areas .....  | 25                   |
| 1. Two courses from: .....   | 10                   |
| EDN 540—Teaching Language Arts in Elementary School and ECE (ASC)                              |                      |
| EDN 541—Methods of Teaching Reading (ASC) — required if a reading course not taken previously. |                      |
| EDN 542—Reading and Literature for Children (SSC)  |                      |
| 2. Three courses from: .....   | 15                   |
| EDN 591—Science for Elementary and ECE Teachers (ASC)  |                      |
| MATH/EDN 592—Modern Mathematics for Elementary and ECE Teachers (ASC)                          |                      |
| EDN 628—Movement Exploration and Motor Learning in Children (SSC)                              |                      |
| EDN 658—Creative Activities in Art, Music, Dance, and Drama (SSC)                              |                      |
| EDN 691—Environmental Science (ASC)  |                      |
| EDN 697—Social Studies for Elementary and ECE Teachers (ASC)                                   |                      |
| B. Required Courses .....  | 15                   |
| EDN 627—Child Growth and Development (ASC)   |                      |
| EDN 647—Curriculum for ECE (SSC) or EDN 657—Methods for ECE (ASC)                              |                      |
| EDN 802—Practicum in ECE (ASC or SSC)  |                      |





teaching, an undergraduate activity on each campus. The departments on each campus *may* arrange for team teaching with a representative from each College.

\* \*Courses with a double asterisk are offered at both Colleges.

*Savannah State College*

*Armstrong State College*

*Professional Sequence Courses*

END 621 or 622  
END 641

EDN 631  
EDN 631

*Savannah State College*

*Armstrong State College*

*Content Courses for Elementary Education*

EDN 542  
EDN 601  
EDN 642  
EDN 643  
EDN 696

ZOO/EDN 692  
BIO/EDN 693  
PSI/EDN 695  
CHEM/EDN 694

EDN 540  
EDN 541  
EDN 591  
EDN 691  
EDN 697  
MATH/EDN 592

*Additional Courses for Elementary Education Programs*

EDN 543	EDN 644	EDN 703	EDN 521	EDN 653	EDN 702
EDN 611	EDN 661	EDN 673 * *	EDN 551	EDN 654	EDN 673 * *
EDN 632	EDN 662	EDN 700 * *	EDN 625	EDN 672	EDN 700 * *
			EDN 651		

EDN 581, \*, EDN 582 \*, and EDN 583 \*

*Early Childhood Education Courses*

EDN 628	EDN 627
EDN 637	EDN 638
EDN 647	EDN 657
EDN 658	EDN 802 * *
EDN 802 * *	

*Special Education Courses*

EXC 522	EXC 536	EXC 623	EXC 681
EXC 525	EXC 680	EXC 654	EXC 683
	EXC 682	EXC 641	

NOTE: EXC 685, EXC 686, and EXC 687 may be taken at both Colleges but at least one of these three courses must be taken at each College if used for the B.A. degree. EXC 684 available at both colleges.

## COMPREHENSIVE EXAMINATION

A committee of the faculty of the Joint Graduate Education Department will administer an oral examination to all candidates for the Master's degree. The chairman of the examining committee will be the student's adviser. The student and his adviser will select the other two members of the examining committee. This committee will have at least one represen-

tative from each of the two campuses. The committee should also have a representative from one of the content areas on the student's degree plan.

The chairman will select, in consultation with the student, the date, time, and place for the examination and will report this information and the results of the examination to the Coordinator.

The Coordinator shall notify the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, data and time of the examination and the composition of the Committee. The result of the examination will be reported to the Deans for Graduate Studies within three days after the examination.

### *Graduate Courses in Education*

EDUCATION 521. Tests and Measurements. (5-0-5). ASC.

Principles and procedures in evaluating pupil growth.

EDUCATION 540. Teaching Language Arts in Elementary School. (5-0-5). ASC.

Exploration in the four broad areas of the language arts. Investigation of pertinent research of the past decade; opportunities for enriching experiences with media through demonstration.

EDUCATION 541. Method of Teaching Reading. (5-0-5). ASC.

Basic principles and methods underlying the elementary school reading program.

EDUCATION 542. Reading and Literature for Children. (5-0-5). SSC.

This course is designed to acquaint elementary teachers with the stimulating language environment of the wide world of literature for children. The literature approach of language learning seeks to assist the teacher in guiding children to become active, sensitive learners who seek to explore, inquire, and discover.

EDUCATION 545. Reading in the Secondary School. (5-0-5). SSC.

This course is designed to acquaint teachers with teaching reading in content areas.

EDUCATION 551. Newer Teaching Media I. (5-0-5). ASC.

The first course in a two-course sequence. Multisensory learning and the utilization of audiovisual materials, newer teaching hardware, and programmed materials.

EDUCATION 581. Directing and Evaluating Student Teaching. (5 quarter hours). ASC and SSC.

Information, skills and understandings required for effective supervision of student teachers. Selected teachers.

EDUCATION 582. Internship for Supervising Teachers. (5 quarter hours.) SSC and ASC. (Grade awarded, S or U only.)

Cooperative field experience involving public school teachers, student teachers, college personnel.

EDUCATION 583. Seminar in Supervision. (5 quarter hours). ASC and SSC.

An opportunity for experienced supervising teachers to evaluate criteria and to develop plans for increasing skills in guiding student teachers.

EDUCATION 591. Science for Elementary Teachers. (5-0-5). ASC.

Opportunities for acquiring basic knowledge in science appropriate for the elementary grades.

EDUCATION 601. The Language Arts in the Educative Process. (5-0-5). SSC.

Provisions for an examination of language developments. Current issues and recent research in the language arts curriculum. Theoretically and practically, students will be aided in finding adequate solutions to language problems which confront them in the daily teaching experience.

EDUCATION 661. Philosophy and History of Education. (5-0-5). SSC.

Modern philosophical systems and their impact on educational theory and practice.

EDUCATION 621. Advanced Studies in Human Growth and Development. (5-0-5). SSC.

A comprehensive view of human growth and development with emphasis upon the recent literature in these fields.

EDUCATION 622. The Nature and Conditions of Human Learning. (5-0-5). SSC.

An advanced study of the various theories of learning with emphasis upon the latest ideas in this field.

EDUCATION 625. Contemporary Problems in Educational Psychology. (5-0-5). ASC. Prerequisites: Two or more courses in psychology or sociology or a combination of the two.

A seminar to explore contemporary problems of a psycho-social nature affecting education.

EDUCATION 631. Social Foundations of Education. (5-0-5). ASC.

Basic graduate course in the contribution of the social sciences to education, focused on the significant issues and problems of education.

EDUCATION 632. Education and Minority Group Problems. (5-0-5). SSC.

A study of intergroup education related to the problems of American ethnic, racial, and religious minorities.

EDUCATION 641. Curriculum Planning. (5-0-5). SSC.

Trends, issues, and understandings needed for curriculum development and teaching.



EDUCATION 642. Seminar in Elementary Education. (5-0-5). SSC.  
Opportunities to analyze issues, theories and practices in elementary education.

EDUCATION 643. Problems in Reading. (5-0-5). SSC.  
Investigation of problems met in the teaching of reading.

EDUCATION 644. Issues in Diagnosing and Prescribing in the Reading Process. (5-0-5). SSC. Prerequisites: EDN 541, EDN 643, or approval of instructor.

Designed to evaluate primary issues in differentiated instruction. Examination of techniques employed in diagnosing and prescribing for reading difficulties.

EDUCATION 651. Newer Teaching Media II. (5-0-5). ASC. Prerequisite: EDN 551.

An advanced course continuing in-depth study of newer teaching media.

EDUCATION 653. Remedial Reading. (Practicum). (5-0-5). ASC. Prerequisite: EDN 644 or approval of instructor.

A study of the various methods and materials utilized to test and teach remedial readers. The student will be required to tutor one poor reader.

EDUCATION 661. Principles and Practices of Guidance. (5-0-5). SSC.

An introduction to the philosophy and procedures of guidance in both the elementary and secondary school.

EDUCATION 662. Guidance in Elementary School. (5-0-5). SSC.

Application of the guidance point of view and guidance techniques to the elementary school classroom. Emphasis is upon the teacher's role in cooperating with professional guidance workers.

EDUCATION 671. Educational Research. (5-0-5). ASC.

Methodology of educational research and its application to instruction and guidance.

EDUCATION 672. Field Project. (5 hours credit). SSC.

An "on-the-job" research project dealing with improvement in the student's specific situation.

EDUCATION 673. Individual Research. (5 hours credit). ASC or SSC.

EDUCATION 675. Individual Study in Education. (1 to 5 hours). ASC. Opportunities provided for supervised research and independent study in selected areas. Research and reading in education to meet the needs of students involved. Designed for students with a knowledge of research. All work offered on an individual basis with the approval of department chairman, advisor, and instructor concerned. Prerequisite: EDN 671.

EDUCATION 676. Individual Study in Education. (5 hours). SSC. Advanced individual study similar to EDN 695. Approval of department chairman, advisor, and instructor concerned necessary. Prerequisites: EDN 671.

EDUCATION 691. Environmental Science. (5-0-5). ASC.

Exploration of science principles through problem-solving. Designed to make environmental science situations meaningful.

ZOO/EDN 692. Zoology for Elementary Teachers. (5-0-5). ASC.

Modern approaches to teaching the biological sciences. Emphasis on understanding of life processes in the animal kingdom.

BOT/EDN 693. Botany for Elementary Teachers. (5-0-5). SSC.

Lecture — laboratory course dealing with principles involved in classifying and indentifying plant life.

CHEM/EDN 694. Chemistry for Elementary Teachers. (5-0-5). SSC.

A study of the more important metallic and non-metallic elements with emphasis on practical application at the elementary school level.

PSci/EDN 695. Earth Science for Elementary Teachers. (5-0-5). SSC.

Composition of earth, classification and identification of rocks and minerals.

EDUCATION 696. Geography for Elementary Teachers. (5-0-5). SSC.

A critical examination of instructional procedures and techniques in teaching geography in elementary grades. Selection, organization and presentation of structured facts of human environment, both cultural and physical. Emphasis given to the conceptual approach in the analysis of space and regional interaction.

EDUCATION 697. Social Studies for Elementary Teachers. (5-0-5). ASC.

Investigation of newer approaches to social studies teaching. Emphasis on related skills as map and graph reading. Analysis of behavioral objectives for social studies teaching.

EDUCATION 700. Internship. (10 hours credit). ASC or SSC. (Grade awarded, S or U only.)

Students who hold teaching positions in schools and/or clinic settings will be supervised by college staff members for one academic year. Supervisors will observe and hold conferences with each candidate. Students must complete one academic year to receive credit.

EDUCATION 702. Seminar in Education for Staff Development. (Variable credit). ASC.

Offered on demand. Prerequisites: Students must be enrolled in an approved staff development activity sponsored by a local school system. Admission to the course must be approved by the student's adviser and by the department head.

This course is designed to provide a framework through which teachers and local school systems, in conjunction with the college, may offer graduate credit for approved staff development activities. Credit for this course may be approved for either content or elective work.

With a change in content, this course may be repeated for additional credit.

EDUCATION 703. Seminar in Education for Staff Development. (Variable credit). SSC.

Offered on demand. Prerequisites: Students must be enrolled in an approved staff development activity sponsored by a local school system. Admission to the course must be approved by the student's adviser and by the department head.

This course is designed to provide a framework through which teachers and local school systems, in conjunction with the college, may offer graduate credit for approved staff development activities. Credit for this course may be approved for either content or elective work.

With a change in content, this course may be repeated for additional credit.

EDUCATION 000. School Evaluation. (5 to 10). ASC or SSC.

Study of school assessment procedures, self study and followup.

*Graduate Courses in Education –  
Early Childhood Education*

EDN 627. Child Growth and Development. (5-0-5). ASC.

Lecture and laboratory. Basic concepts and problems of child development; observation, behavior patterns, child study.

EDN 628. Movement Exploration and Motor Learning in Children. (5-0-5). SSC.

Develop understandings, skills, and teaching techniques and methods in the basic activities appropriate to the teacher of movement education.

EDN 637. Foundations of Early Childhood Education. (5-0-5). SSC.

Historical developments, philosophy and objectives of nursery schools, kindergartens, and day care centers; exploration of teacher-child and teacher-family interactions, diagnosis and evaluation of children.

EDN 638. The Young Child and His Family, School, Community. (5-0-5). ASC.

Interaction with community for services and resources. Family study from many different angles, utilizing data from various fields, developing skills in procedures and techniques for working with parents.

EDN 647. Early Childhood Education Curriculum. (5-0-5). SSC.

Content, approaches, methods and materials appropriate for young child as presented in interdisciplinary or experience approach emphasizing how language arts, science, mathematics, social studies, and the creative arts are adopted to skills and needs of children.



EDN 657. Early Childhood Education Methods. (5-0-5). ASC.

A study of research and programs for children under eight and implications for program development. Developing skills in translating concepts into classroom practice for young children.

EDN 658. Creative Activities in Art, Music, Dance and Drama. (5-0-5). SSC.

Course focuses on activities in each of four areas and presented in an interdisciplinary approach.

EDN 802. Practicum in Early childhood Education. (5 hours credit). ASC or SSC. (Grade awarded, S or U only.)

Supervised experience in classroom with children under six. Seminars and projects planned according to students' needs.

*Graduate Courses in Education –  
Exceptional Children*

EXC 522. Introduction to Exceptional Children. (5-0-5). SSC.

An introductory study of the identification, diagnosis, and education of the atypical child.

EXC 525. Mental Hygiene in Teaching. (5-0-5). SSC.

A consideration of the forces and influences on what constitutes normal behavior in personal and social relationships within the school setting. Student behavior, teacher behavior, and student-teacher interaction dynamics will receive major attention. Open to qualified undergraduate students, graduate students, and teachers seeking renewal of certificates.

EXC 526. Psychology of Abnormal Behavior. (5-0-5). SSC.

EXC 623. Assessment and Measurement of the Exceptional Child. (5-0-5). ASC.

This course will emphasize the means and interpretations of psychological, psychiatric, educational, and other evaluations. It will attempt to help the teacher understand and make relevant the test specialists' report.

EXC 641. Teaching of Reading to Exceptional Children. (3-4-5). ASC.

First half of course consists of classroom instruction in procedures for teaching reading. Second half of course consists of tutoring an exceptional child in reading under the instructor's supervision.

EXC 654. Behavioral Intervention Procedures for Children. (5-0-5). ASC.

To acquaint students with historical background, developments, concepts, definitions, terminology, and techniques of behavioral intervention, as well as application of such procedures.

EXC 673. Independent Research. (5-0-5). ASC or SSC.

EXC 680. Behavior Pathology in Children. (5-0-5). SSC. Prerequisite: EXC 522.

A study of the epidemiology, etiology, prognosis, and treatment of behavior disorders in children. An extensive examination of the social milieu will characterize the course.

EXC 681. Education of the Emotionally Disturbed. (5-0-5). ASC. Prerequisite: EXC 680.

The student will survey the various types of programs and approaches historically and currently in operation for the emotionally disturbed child. Emphasis will be placed on those programs within the public school setting.

EXC 682. Nature of Learning Disabilities and Mental Retardation. (5-0-5). SSC.

Definitions, orientation, characteristics, assessment, contributions of major authorities, and terminology for the learning disabled child. In-depth study of the psychological and sociological aspects of educationally handicapping conditions and of the children who display those conditions for the mentally retarded child.

EXC 683. Methods and Materials for Teaching Learning Disabled and Mentally Retarded Children. (3-4-5). ASC.

Procedures for identifying strengths and weaknesses of students, using multisensory approaches, analyzing tasks into component parts, designing and using instructional materials, writing instructional objectives, and individualizing classroom instruction.

EXC 684. Practicum in Learning Disabilities, Behavior Disorders, and Mental Retardation. (0-10-5). SSC or ASC.

The student will be required to interact with students from all three areas for a minimum of 10 clock hours per week. In those cases where students cannot be placed in a program serving all three categories of children, the student will be required to spend one third of the quarter with children from each area. The student will be expected to have direct involvement in teaching exceptional children.

EXC 685-686-687. Practicum in Special Education (5 hours credit each course). (Grades awarded, S or U only.)

EXC 685. Five hours to be taken among the first twenty-five hours of the student's program. During this time the student will be required to interact with behavior disordered and/or multiple handicapped children a minimum of eight clock hours per week in programs designed to ameliorate the disability. It is recommended that the student participate in two or more programs. ASC or SSC.

EXC 686. Prerequisite: EXC 685. Five quarter hours of individual studies under the direction of the student's adviser, or the adviser's designate, to be taken prior to the five final hours of practicum. The individual

studies program will be designed so that the student develops proficiency in a minimum of one mode of treatment for behavior disordered children. The student will be required not only to develop expertise in a theoretical approach but be afforded the opportunity to interact with a student, or students, in tutorial situations for practical applications of the theoretical model selected for study. ASC or SSC.

EXC 687. Prerequisite: EXC 686. Five hours taken during the terminal stages of the student's program. The student will be required to serve a minimum of ten clock hours per week in facilities designed for behavior disordered and/or multiple handicapped children. The student will be expected to have direct involvement in teaching exceptional children. A portion of this five quarter hours must be served in a residential facility. ASC or SSC.

EXC 700. Internship. (10 hours credit). ASC or SSC. (Grade awarded, S or U only.) See EDN 700 for general requirements; course runs one academic year.

## ENGLISH

### FACULTY

Dr. Luetta Milledge, Department Head, (SSC); Dr. Hugh Pendexter, Department Head, (ASC); Dr. Brooks, (ASC); Dr. Daub, (SSC); Dr. Jones, (ASC); Dr. Killorin, (ASC); Dr. Lawson, (ASC); Dr. Lunz, (SSC); Dr. Maher, (SSC); Dr. O'Neil, (SSC); Dr. Propst, (ASC); Dr. Stevenson, (SSC); and Dr. Strozier, (ASC).

Coordinator — 1978-1979 — Dr. Luetta Milledge

*Program of Study Leading to the Degree  
Master of Education in English*

### OBJECTIVES

The Department of English, in cooperation with the Department of Education, offers two programs of study leading to the Master of Education degree with concentrations in English, one a certifiable option and one a non-certifiable option. The objectives of the certifiable program of study are:

1. To upgrade the teaching of secondary school English by increasing the competencies of English teachers in the areas of linguistics, composition, and literature;
2. To enable teachers of English in Secondary schools to pursue study that will enrich their skills, knowledge, and understanding in the teaching of language, composition, and literature;



3. To provide opportunities for professional growth and cultural enrichment for individuals holding the bachelor's degree but having no further degree or certification objectives;
4. To enable teachers of English in secondary schools to qualify for the T-5 certificate.

The English Department also offers a non-certifiable M.Ed. degree with some different objectives and requirements.

## ADMISSION REQUIREMENTS

All students entering the M.Ed. program in English must present, in addition to the general requirements, the Graduate Record Examination Advanced Test in Literature and English, although no minimum score is prescribed.

## ADVISEMENT

Each student admitted to the program in English will be assigned an academic adviser from the English Department and a professional adviser from the Education Department. As soon as the student is notified of this assignment, he should arrange for a conference with his advisers.

## COURSE REQUIREMENTS

## Summary of Requirements for Certification Program

(Requirements for the non-certification program available in the English Department.)

	Quarter Hours
I. Professional Education Courses .....	20
II. English Courses (required, plus electives) .....	35
III. Elective Courses .....	5
IV. Balance of Courses	
I. Professional Education Courses .....	20
EDN 621 — Advanced Studies in Human Growth and Development (SSC) or EDN 622 — The Nature and Conditions of Human Learning (SSC) plus EDN 631 — Social Foundations of Education (ASC) plus EDN 641 — Curriculum Planning (SSC) plus EDN 671 — Education Research (ASC)	
II. English Courses.....	35
A. A student may count no more than 15 hours of 500 level work toward the degree.	
B. English 620, 621, and 622 are required of all students.	
C. English 500, 503, 690, and 691 may be taken twice if the course is offered a second time with a different topic.	
III. Elective Course .....	5
Because the courses in the teaching of reading and in exceptional children are required for certification, a student must present at least one of these as part of his undergraduate	

record before he will be admitted to candidacy for the M.Ed. degree in English or must present the equivalent graduate course in addition to the sixty (60) hours normally required in the M.Ed. program.

#### IV. Balance of Courses.

Students will fulfill the balance of courses requirement by taking one-half of their required courses and one-half of their elective courses at each College. A guide to the location of the courses follows:

##### *Savannah State College*

ENG 503	ENG 642
ENG 621	ENG 660
ENG 622	ENG 665
ENG 626	ENG 666
ENG 630	ENG 691

##### *Armstrong State College*

ENG 500	ENG 641
ENG 630	ENG 650
ENG 625	ENG 662
ENG 627	ENG 664
ENG 631	ENG 690
ENG 640	

A guide to the campus location of the Education courses is in the Education Department section of this Bulletin.

## COMPREHENSIVE EXAMINATION

Each candidate for the Master of Education degree with a concentration in English must pass a written comprehensive examination. The comprehensive examination will be based on the reading list in language and literature which must be secured by the student at the time of his matriculation. The student may choose to be examined under any reading list in force during the time of his enrollment. Copies of the reading list are available in the office of the Coordinator. For more specific information concerning the comprehensive examination, contact the Coordinator.

The comprehensive examination covers two areas: 1) literature before 1800 and 2) literature after 1800. The separate examinations are to be taken in the course of the student's program, preferably before the last quarter. At least one of the tests in literature will include a question concerning bibliographical and research procedures. The student must pass both examinations in order to receive his degree. After two unsuccessful attempts at any one part of the examination, a student may not apply to repeat that section for at least two quarters during which he may do guided study to take recommended courses in order to make up his deficiencies. In light of the comprehensive requirements, the student is strongly urged to take an additional course in linguistics. Except for the stipulation that he must wait at least two quarters if he fails any examination twice, there is no limit on the number of times that a student may take an examination. Examination results are designated S or U.

The Coordinator shall notify the student and the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, date and time of the examination and the composition of the committee. The result of the examination will be reported to the Deans for Graduate Studies within seven days after the examination.

## *Graduate Courses in English*

Graduate admission status is prerequisite to enrollment in any graduate course in English.

ENGLISH 500. Special Topics. (1 to 5 hours credit). ASC.

ENGLISH 503. Special Topics. (1 to 5 hours credit). SSC.

ENGLISH 620. Practical Criticism I. (5-0-5). ASC.

Composition and literary theory will constitute the basis for practical criticism of literary works. The relationship between literary theory and problems of teaching composition and literary interpretation will be explored, and various contexts (i.e., formalistic, socio-historical, archetypal) for interpreting the work of literature will be examined. Course requirements will include oral and written analysis of literary works written before 1800, selected primarily from the Graduate English reading list.

ENGLISH 621. Practical Criticism II. (5-0-5). SSC.

Course description is the same as ENG 620 above, but utilizes literary works written after 1800, selected primarily from the graduate English reading list.

ENGLISH 622. Approaches to Language. (5-0-5). SSC.

A survey of the components of language study as well as the various approaches to language, meaning, and syntax. Relationships between the teacher's language study and classroom implementation of various facets of it will be explored.

ENGLISH 625. Chaucer. (5-0-5). ASC.

ENGLISH 626. Shakespeare. (5-0-5). SSC.

ENGLISH 627. Milton. (5-0-5). ASC.

ENGLISH 630. American Literature to 1840. (5-0-5). SSC.

ENGLISH 631. American Literature, 1840-1912. (5-0-5). ASC.

ENGLISH 640. British Literature, Before 1660. (5-0-5). ASC.

ENGLISH 641. British Literature, 1660-1830. (5-0-5). ASC.

ENGLISH 642. British Literature, 1830-1912. (5-0-5). SSC.

ENGLISH 650. British and American Literature, 1912 to the Present. (5-0-5). ASC.

ENGLISH 660. Studies in Ethnic Literature. (5-0-5). SSC.

ENGLISH 662. Literature: Its Intellectual Backgrounds. (5-0-5). ASC.

ENGLISH 664. Studies in Comparative Literature. (5-0-5). ASC.



ENGLISH 665. Descriptive Linguistics and Transformational Grammar. (5-0-5). SSC.

A study of the English sound system, the system of word composition and transformational syntax.

ENGLISH 666. Historical Linguistics. (5-0-5). SSC.

ENGLISH 690. Special Studies: Independent Study or Seminar (1 to 5 hours credit). ASC.

ENGLISH 691. Special Studies: Independent Study or Seminar. (1 to 5 hours credit). SSC.

## HISTORY AND POLITICAL SCIENCE

### FACULTY

Dr. Isaiah McIver, Department Head, (SSC); Dr. Roger Warlick, Department Head, (ASC).

#### *History*

Dr. Arens, (ASC); Dr. Duncan, (ASC); Dr. Gross, (ASC); Dr. Lanier, (ASC); Dr. Patterson, (ASC); Dr. Sanford (SSC); Dr. Simpson, (SSC); and Dr. Smith, (SSC); Dr. Stewart, (SSC); Dr. Stone, (ASC).

#### *Political Science*

Dr. Byers, (SSC); Dr. Clark, (ASC); Dr. Coyle, (ASC); Dr. Harris, (SSC); Dr. McCarthy, (ASC); Dr. Newman, (ASC); Dr. Rhee, (ASC); and Dr. Walton, (SSC).

Coordinator — 1978-1979 — Dr. Roger Warlick

*Programs of Study Leading to the Degree  
Master of Education in History  
and in Political Science*

### I. M.Ed. PROGRAMS LEADING TOWARD CERTIFICATION (T-5) IN HISTORY AND IN POLITICAL SCIENCE

#### OBJECTIVES

The objectives of the graduate programs in history and in political science are:

1. To increase the academic and professional skills, the competence and the enthusiasm of secondary teachers in history and political science and in social studies generally.
2. To increase the teacher's knowledge and understanding of the nature and conditions of learning and the learner, at the same time making

the teacher aware of the major features and problems of secondary education in the American social order.

3. To accomplish these objectives by working jointly in a situation reflective of the racial and social make-up of American society and, in so doing, to provide a context in which teachers themselves may develop personally as well as academically.

ADMISSION REQUIREMENTS

Students entering the M.Ed. program in history or in political science must satisfy all general admission requirements of the Joint Graduate Studies Program, including the requirement that the GRE Aptitude or NTE Common, and an appropriate advanced or area test, be completed prior to full admission. The results of these examinations will then serve as a basis for academic advisement.

Students must also satisfy a prerequisite of 15 quarter hours of undergraduate work in the major discipline before any course in that discipline can be taken for graduate credit.

COURSE REQUIREMENTS FOR CERTIFICATION PROGRAMS

A. Major in History

The typical history program for those students already holding a T-4 certificate in an appropriate field is outlined below:

	Quarter Hours Minimum
1. History Courses .....	30
2. Professional Education Courses .....	20
EDN 622—Nature and Conditions of Human Learning, (SSC) or	
EDN 621—Advanced Studies in Human Growth & Development	
plus	
EDN 631—Social Foundations of Education (ASC)	
plus	
EDN 641—Curriculum Planning (SSC)	
plus	
EDN 671—Educational Research (ASC)	
3. Approved Electives .....	10
An appropriate course in exceptional children (e.g., EXC 522)	
must be taken if not taken previously.	
TOTAL	60

B. Major in Political Science.

The typical political science program for those students already holding a T-4 certificate in an appropriate field is outlined below:

1. Political Science Courses .....30
- These courses must include 5 hours in each of the following areas:
- a. American government and public policy.
  - b. Comparative politics.
  - c. International relations and foreign policy.
  - d. Political theory.

2. Professional Education Courses .....	20
Same as Professional Education courses for History.	
EDN 621 or EDN 622 plus EDN 631 plus EDN 641, plus EDN 671	
3. Approved Electives .....	10
Appropriate course in exceptional children (e.g., EXC 522)	
must be taken if not taken previously.	
TOTAL	
60	
C. Special program (for students without T-4 certification). Students without prior certification may need 70-80 hours to complete the M.Ed. program in either History or Political Science. An illustrative program is shown below, but the student will need individual guidance.	
1. Professional Education .....	40
a. Foundations Courses .....	10
EDN 611, EDN 622, EDN 631	
b. Methods and Curriculum .....	10
EDN 641 and others	
c. Educational Research — EDN 671 .....	5
d. Student teaching or equivalent on-the-job experience — workshops, etc. ....	10
e. Electives .....	5
2. History or Political Science Courses .....	30
See section below on “Use of Electives” for further information on hours in the major field.	

#### D. General Requirements.

##### Use of Electives

The flexibility provided by the 10 hours of “Approved Electives” normally makes it possible to meet the other program guidelines within a 60-hour total. But, students should be aware, for example, that counting both graduate and undergraduate classwork, they are required to have a total of at least 30 hours in their major teaching area (i.e., American or European History, or American Government). There may also be areas where undergraduate preparation was weak or unavailable, such as professional education, non-western traditions, etc. Such problems can best be solved on an individual basis with the help of the faculty adviser.

*Students should be aware* that regardless of their major, state certification criteria recommend that social studies teachers include in their programs preparation in the following: American history and government, conflicting ideologies, the modern world, Western heritage, and non-Western traditions.

## II. M.Ed. PROGRAMS IN HISTORY AND POLITICAL SCIENCE (WITHOUT CERTIFICATION)

### ADMISSION REQUIREMENTS

Besides the general admission requirements of the Joint Graduate Studies Program, students who desire to obtain an M.Ed. in history or political science without certification are required to take the GRE area test in history or political science and obtain a minimum score of 450 in history or 410 in political science to gain full admission to the program (Regular Admission status). A student who does not meet the minimum



score on the area examination will be required to take two recommended undergraduate courses on the 300 or 400 level (one on each campus) and pass them with at least B's before being granted regular status.

COURSE REQUIREMENTS FOR NON-CERTIFICATION PROGRAMS

Quarter Hours

A. Major in History	
1. History courses	40
a. History 500 will be required of all students unless an equivalent undergraduate course has already been taken (History 300 (ASC), or, History 416 (SSC), would satisfy this requirement).	
b. At least one five (5) hour course must be taken in each of the following fields:	
1. U.S. History	
2. European History	
3. Other (e.g., Russian, Far Eastern, and Latin America).	
c. With the approval of the adviser 10 of these hours may be taken in appropriate political science courses.	
NOTE: Combined graduate plus undergraduate work in the area(s) of concentration (either European or U.S. History) must total at least 30 hours.	
2. Education courses	15
Fifteen hours of Education courses are to be taken with at least five (5) hours on each campus. These courses are to be chosen with the advice of the student's major area adviser from a list designated by the Education Department.	
3. Free Electives	5
An appropriate course chosen with the advice of the adviser.	
Total	60
B. Major in Political Science.	
1. Political Science courses	40
a. Ten hours each must be taken in the following areas:	
1. American Government	
2. Comparative politics	
3. International relations and foreign policy	
4. Political theory	
2. Education courses	15
Fifteen hours of Education courses are to be taken with at least five hours on each campus. These courses are to be chosen with the advice of the student's major area adviser from a list designated by the Education Department.	
3. Free Elective	5
An appropriate course chosen with the advice of the adviser. (Unless an approved undergraduate political science methodology course has been taken, students must take Political Science 600. This requirement may be met under I-b above, if permitted, or under III, or as an extra course.)	
Total	60

### III. GENERAL INFORMATION — ALL PROGRAMS IN HISTORY and POLITICAL SCIENCE

#### TRANSFER OF CREDIT

Students who have earned graduate credits at one or more accredited institutions may, under certain circumstances, transfer a limited number of quarter hours of such credits to be applied toward the M.Ed. degree programs in history and political science. Such transfer of credits is handled on an individual basis and requires the written approval of the student's adviser and the Coordinator.

#### ADVISEMENT

Shortly after his admission to the program in either history or political science, each student should contact the Coordinator to secure an adviser. As soon as he is notified of his assigned adviser, the student should arrange for a conference with his adviser and begin planning his degree program. Failure by the student to consult regularly with his adviser may greatly lengthen the time necessary to complete the program. Each student should feel free to consult his adviser as often as is necessary.

#### COMPREHENSIVE EXAMINATION

An integral part of the graduate experience is the achievement of a comprehensive understanding of the analytical skills and of the current state of knowledge and scholarship basic to one's field. It is the purpose of the Comprehensive Examination both to demonstrate this understanding and to aid in further synthesizing its many aspects. Thus, the examination itself should be in part a new experience, producing new insights and not merely a rehearsal of previous ones.

Satisfactory performance on comprehensive examinations, both the required written and the optional oral, will be required of all degree candidates. Candidates should notify their major professor and the Coordinator of the program of their readiness to be examined at the time they apply for the degree — i.e., no later than mid-term of their next-to-final quarter. At this time the specific fields and reading list to be covered will be defined, the make-up of the examining committee determined, and the date of the exam set. The examination normally occurs before mid-term of the student's final quarter.

The Coordinator shall notify the student and the Deans for Graduate Studies ten days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the Committee. The result of the examination will be reported to the Deans for Graduate Studies within three days after the examination.

The Coordinator will notify the student regarding the result of the examinations. The examination papers and/or comments of the examining

committee will become part of the student's permanent file in the Department, and the student may request a conference with his major professor and advisers for the purpose of reviewing the examination papers.

A student may repeat the Comprehensive Examinations as many times as necessary to demonstrate the required level of competence.

BALANCE OF COURSES

Students will fulfill the balance of courses requirement by taking one half of their required courses and one half of their elective courses at each of the two colleges.

Each College offers an almost equal number of courses every quarter. Courses to be offered at the two Colleges during the 1978-1979 and 1979-1980 academic years are listed below. Other courses are authorized in the curriculum and are listed in the following sections on graduate courses in history and in political science. These courses *may* be offered on demand.

History Courses

*Savannah State College*

HIS 517    HIS 609    HIS 681  
HIS 531    HIS 621    HIS 695  
HIS 534    HIS 640    HIS 669  
HIS 547    HIS 680    HIS 690  
HIS 606

*Armstrong State College*

HIS 500    HIS 535    HIS 641  
HIS 514    HIS 619    HIS 662  
HIS 515    HIS 633    HIS 690  
HIS 516

Political Science Courses

*Savannah State College*

POS 600    POS 624    POS 683  
POS 608    POS 625    POS 684  
POS 610    POS 635    POS 690  
POS 616    POS 680

*Armstrong State College*

POS 511    POS 546    POS 620  
POS 535    POS 605    POS 626  
POS 540    POS 606    POS 691

A guide to the location of the Education courses is in the Education Section of this *Bulletin*.

*Graduate Courses in History*

In addition to any specifically noted course prerequisites, there is the general prerequisite that a student must have completed the equivalent of 15 hours of undergraduate work in history to become eligible to take graduate work for credit toward the Master of Education degree in History.

HISTORY 500. Historical Method. (5-0-5). ASC. Offered each summer.

An introduction to the nature and method of historical research; treats problems of investigation, organization, and writing through discussion and actual research experience in local history.

HISTORY 501. Seminar in Georgia History. (5-0-5). SSC. Summer 1979.



A research seminar dealing with various aspects of Georgia's past with emphasis on original research and writing.

HISTORY 502. United States: Colonial and Revolutionary. (5-0-5). ASC.

A study of the discoveries of the New World and the settlement and growth of the English colonies of North America, the American triumph over France in the New World, the drastic change in British colonial policy and the rise of American opposition to it, the achievement of independence and the establishment of the United States under the Constitution.

HISTORY 505. Topics in 20th Century U.S. History. (5-0-5). ASC. Summer 1979.

Covering the most recent period in U.S. History, the course emphasizes political, economic, and social issues.

HISTORY 514. United States: Diplomatic History I. (5-0-5). ASC. Fall 1978.

Considers American objectives and policies in foreign affairs from colonial times through the Civil War.

HISTORY 515. United States: Diplomatic History II. (5-0-5). ASC. Winter 1979.

A continuation of History 514 to the present.

HISTORY 516. United States: constitutional History. (5-0-5). ASC.

A study of the origins, content, and expansion of the Constitution of the United States.

HISTORY 517. Reform Movements in American History. (5-0-5). SSC. Offered each Summer.

A research and readings course designed to acquaint the student with the dynamics of American reformism.

HISTORY 531. History of Latin America. (5-0-5). SSC. Winter 1979.

A survey of the social, cultural, economic, political, religious, and intellectual history of Latin America from colonial times to present.

HISTORY 532. The Russian Revolution. (5-0-5). ASC.

An examination of the Russian revolutionary tradition, the causes for the collapse of Tsarism, the Bolshevik Revolution, and the Bolshevik victory in the Russian Civil War.

HISTORY 534. Contemporary Latin America. (5-0-5). SSC.

Twentieth century influences that are producing socio-economic unrest in much of Latin America.

HISTORY 535. History of Soviet Foreign Policy. (5-0-5) ASC. Summer 1979.

The course reviews historically the development of Soviet Foreign policy with West European States, notably Germany, and also with the

non-European world through 1917-1940, World War II. and Cold War phases. Special attention will be given in this last phase to U.S. — Soviet rivalry, Soviet relations with other communist states in Eastern Europe, China, and with the Third World, and to the recent moves toward detente.

HISTORY 536. European Diplomatic History. (5-0-5). SSC. Summer 1978, 1980.

An intensive study into the origins and development of European diplomacy, the instruments of power, the interrelationship of diplomacy and military forces, the limits of national power, economic objectives, and the fundamentals of national objectives. Europe's special political and military role will be examined, as it applies to Great Britain, France, Germany, Russia, Austria, and Spain.

HISTORY 547. The French Revolution. (5-0-5). SSC. Fall 1978.

The ideas and events of the Old Regime and the Enlightenment in France, with emphasis on the impact of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 602. United States: Tyler to Lincoln. (5-0-5). SSC.

An intensive investigation of the social, economic, political, and intellectual conditions in the United States between 1840 and 1860.

HISTORY 603. United States: Nineteenth Century Politics. (5-0-5). SSC.

A research seminar in the course and development of political movements in the United States during the Middle Period.

HISTORY 606. United States: Afro-American History I. (5-0-5). SSC.

A seminar on the history of ideas, culture ideologies, and institutions that influenced Afro-Americans from the colonial period to 1860.

HISTORY 607. United States: Afro-American History II. (5-0-5). SSC.

A seminar in Afro-American thought and institutions — a continuation of History 606. The course critically evaluates Afro-American culture during and following the civil war.

HISTORY 609. History of Afro-American Higher Education. (5-0-5). SSC.

The history of Afro-American higher education from the 19th century to the present with emphasis on method and philosophy.

HISTORY 610. United States: Economic History I. (5-0-5). SSC.

The history, economic ideas, ideologies, practices, and institutions that have influenced Americans from the colonial period to 1860.

HISTORY 611. United States: Economic History II. (5-0-5). SSC.

Post-1860 American economic history and institutions that have influenced Americans from the Civil War to the present. A continuation of History 610.

HISTORY 613. Seminar in the Puritan Ethic. (5-0-5). SSC.

A study of the evolution and secularization of the Puritan ethic in American society. Special emphasis will be given to the theorists who created the ethic and to those thinkers who have attempted to humanize it.

HISTORY 617. Seminar in Pre-1860 Euro-American Reform Movements. (5-0-5). SSC.

Problems in Euro-American cultural, religious, intellectual, and institutional development with special emphasis on cultural nationalism, naturalism, Darwinism, romanticism, and humanitarianism.

HISTORY 619. Studies in American Thought. (5-0-5). ASC. Winter 1980.

A reading and research course devoted to the examination of topics in the history of American thought. May be repeated for credit as topics vary.

HISTORY 621. Far East in Modern Times. (5-0-5). SSC. Winter 1979.

The strategic economic, political, and ideological factors that shape the destinies of Far Eastern countries will be critically examined. The political actions of the dominant powers of the East, Japan, communist China, and India, will be studied as well as those of the lesser nations, such as Indonesia, Malaysia, Philippines, Thailand, Burma, Afghanistan, Cambodia, Laos, and the Vietnams. The interplay of the United States and Europe with respect to the economic and political issues affecting the Far East will be high-lighted.

HISTORY 633. Topics in Modern Russian History. (5-0-5). ASC. Spring 1979.

Selected topics in 19th and 20th Century Russian intellectual, political, economic, and social history.

HISTORY 640. England: Tudor-Stuart Topics. (5-0-5). SSC. Winter 1980.

Designed to cover various political, socio-economic, constitutional, and religious issues of English history, 1485-1660. Class concentration will be directed to selected topics or periods which will be augmented by independent student research outside class.

HISTORY 641. England: Restoration-Hanoverian Topics. (5-0-5). ASC. Spring 1980.

Designed to cover various political, socio-economic, constitutional and religious issues of English history, 1660-1815. Class concentration will be directed to selected topics or periods which will be augmented by independent student research outside class.

HISTORY 645. Studies in Pre-Modern Europe. (5-0-5). ASC. Fall 1979.

Selected topics in XVI and XVII century European life will be studied. Heavy emphasis will be given to independent research and presentations by the student.



HISTORY 650. Topics in Modern European History. (5-0-5). SSC. Summer 1978, 1980.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 670. Topics in Savannah History. (5-0-5). ASC. Summer 1978.

A research seminar involving intensive exploration of local history resources.

HISTORY 680. Readings in American History. (5-0-5). SSC. Spring 1979.

HISTORY 681. Readings in European History. (5-0-5). SSC. Summer 1979.

HISTORY 690. Independent Study. (Credit varies). SSC.

Admission by approval of instructor and the graduate coordinator.

HISTORY 691. Independent Study. (Credit varies). ASC.

Admission by approval of instructor and the graduate coordinator.

HISTORY 695. American Historiography. (5-0-5). SSC. Fall 1979.

An extensive survey of the historiographical trends evident in the writing of American History with emphasis on major interpretations and the influence of major historians.

HISTORY 696. European Historiography. (5-0-5). SSC.

Lectures and readings to illustrate the major developments in the study of the European past.

### *Graduate Courses in Political Science*

In addition to any specifically noted course prerequisites, there is the general requirement that a student must have completed the equivalent of 15 hours of undergraduate work in Political Science to become eligible to take graduate work for credit toward the Master of Education degree in Political Science.

POLITICAL SCIENCE 511. American Presidency. (5-0-5). ASC. Offered each Summer.

Offers an in-depth survey of the office of the Presidency, with the principal emphasis on the relations of the executive branch with the Congress and the Court system. Some attention will be given to the evolution of the Presidency to its present dominant position in the American political process. (Completion of a survey course in American History is desirable.)

POLITICAL SCIENCE 530. Seminar in Empirical Political Thought. (5-0-5). ASC.

A course primarily of readings centered on the analysis of the epistemological and methodological foundations of contemporary political and social science.

POLITICAL SCIENCE 535. Origins of Totalitarianism. (5-0-5). ASC. Fall 1978, Summer 1979.

An analysis of the socio-psychological bases of modern totalitarian movements. Major emphasis will be placed on pre-World War II Nazi Germany.

POLITICAL SCIENCE 540. Comparative Political Analysis. (5-0-5). ASC. Summer 1978, 1980.

This course is mainly theoretical. It deals with the various approaches, concepts, and methodologies that are being used in the analysis of comparative politics, viz: the traditional approach (formal-legal), group theory of politics, systems analysis, structural-functional analysis, communications theory, decision-making theory, game theory, etc. At the same time, each approach is examined as it is used in comparing the politics of various countries.

POLITICAL SCIENCE 546. Far Eastern Government and Politics. (5-0-5). ASC. Fall 1979.

Description and comparative analysis of the political systems of Communist China and Japan. Special attention is given to historical development, political institutions and processes, political culture, political socialization, and contemporary problems.

POLITICAL SCIENCE 600. Research Methods in Political Science. (5-0-5). SSC. Summer 1979.

This course covers the different methodological approaches to political data, data gathering, and data analysis. It also gives an overview of the philosophy of science.

POLITICAL SCIENCE 603. Public Policy. (5-0-5). SSC.

Here an analysis is made of the way public policy is made, who influences it, and the varied techniques Political Scientist have developed to study it.

POLITICAL SCIENCE 604. Principles of Public Administration. (5-0-5). SSC.

This course is to acquaint the student with the chief concepts, theories, ideas and models in Public Administration.

POLITICAL SCIENCE 606. Seminar: Urban Government. (5-0-5). ASC. Spring 1979.

A study of the structure, function, and political processes of city and other local governments in the United States. Special attention will be given to the workings of city government in the state of Georgia in general and to the cities in the Savannah area in particular. Field studies will be utilized to gain first-hand knowledge whenever possible.

POLITICAL SCIENCE 607. Seminar: State Government. (5-0-5). ASC. Winter 1980.

A comparative study of the structure, function and political process of state, county and other special government units in the United States.

Special emphasis will be given to the states of Georgia, Florida, and South Carolina. Field studies will be utilized to gain first-hand knowledge whenever possible.

POLITICAL SCIENCE 608. Urban Politics. (5-0-5). SSC. Winter 1979.

This course surveys the theories, the approaches, models, and the techniques of political activity in the urban metro areas. In addition, it also reviews the proposals and solutions for urban reform.

POLITICAL SCIENCE 610. American Political Parties. (5-0-5). SSC. Spring 1979.

A seminar which will consider the structural-functional nomenclature of American political parties as well as make analytical inquiry into their growth, development, aims, and primary concerns.

POLITICAL SCIENCE 615. American Supreme Court. (5-0-5). SSC. Summer 1980.

A seminar analyzing the key problems and issues in the judicial process: judicial behavior, judicial policy making, judicial biography, and the court in the political process.

POLITICAL SCIENCE 616. Black Politics. (5-0-5). SSC. Fall 1979.

An analysis is made in this course of the areas of specialization in Black politics as well as the numerous political activities in the Black community.

POLITICAL SCIENCE 619. American Foreign Policy. (5-0-5). SSC.

This course will span the period from the American Revolution to the Vietnamese War. Areas of major interest will be America's early isolation, its emergence as an International power, participation in major wars, and as a primary force in the United Nations. The course will examine the relationship of the United States with the USSR, United Kingdom, Mainland China, and other world powers. This study will show the supporting roles of the U.S. Military, the CIA, AID, USIA, Peace Corps, and other agencies.

POLITICAL SCIENCE 620. Topics in International Relations. (5-0-5). ASC. Winter 1979.

Prerequisite: undergraduate work in the field or permission of the instructor. A seminar course with specific titles announced as offered. May be repeated for credit as topics vary.

POLITICAL SCIENCE 621. International Relations: Far East. (5-0-5). SSC.

The politics, people, movements and ideologies are surveyed for the impact on Asia and the world.

POLITICAL SCIENCE 623. International Relations: Africa. (5-0-5). SSC.

The diplomacy, alliances and internal politics of the Black African countries are analyzed and studied for trends and continuities.



POLITICAL SCIENCE 624. USSR and Red China in Conflict. (5-0-5). SSC. Summer 1978, 1980.

This course will consider and evaluate Chinese and Russian relations before and after the 1917 Communist Revolution. The causes of Sino-Soviet conflicts will be traced to their economic, political, strategic, and ideological sources. The history of the break between the Soviet Union and the Peoples Republic of China and the implication of this hiatus for the security of the modern world will be critically examined.

POLITICAL SCIENCE 625. Communist China in World Politics. (5-0-5). SSC. Summer 1979.

This course stresses the international role of the Peoples Republic of China. The growth of China's Communist element is traced first through its tenuous relationship with Nationalist China and then as the successor to Nanking. Particular emphasis is given to the changing relations of Red China to the USSR, the United States, Japan, and the developing nations of Africa, Asia, and the Middle East. Communist China's interest in world revolution, cultural programs, and insurgencies are examined against its break with and distrust of the Soviet Union. Reasons are explored for the detente of China with the United States.

POLITICAL SCIENCE 626. Seminar in International Law. (5-0-5). ASC. Spring 1980.

A detailed study of selected topics within the field of International Law; emphasis will be on wide reading, written reports and classroom discussion and analysis.

POLITICAL SCIENCE 627. International Organizations. (5-0-5). SSC. Spring 1980.

This course will analyze the roles and internal structures of the United Nations, the Common Market, NATO, the International Court, the Organization of American States, the World Bank, and other international organizations. Of special interest will be the particular influence of the United States in these organizations.

POLITICAL SCIENCE 628. Communism, Capitalism, and Christianity. (5-0-5). SSC.

This course is a study of the origins of Communism, Capitalism, and Christianity and their interrelationship in the modern world. Students will explore the similarities and differences of the three factors in Europe, Asia, Africa, and America. The effects of these forces will be studied as they impinged on various countries and on such dominant personalities as Joseph Stalin, Woodrow Wilson, Sun Yat Sen, De Gaulle, Francisco Franco, and John D. Rockefeller. Of special interest in this study will be such periods of intense Communist-Capitalistic relationship as the Post-World War I period, the epoch of Nazism, the "Cold War," and the Russo-American Detente.

POLITICAL SCIENCE 629. Contemporary Problems in International Relations. (5-0-5). SSC.

An analysis of the major areas of conflict — or cooperation — in the international arena is made to highlight trends, patterns and continuities.

POLITICAL SCIENCE 630. Modern Ideological Movements. (5-0-5). ASC.

An analysis of the major ideological movements conditioning the mind of contemporary man. The course will focus primarily on democratic capitalism, and on fascism, socialism, and communism.

POLITICAL SCIENCE 635. Black Political Thought. (5-0-5). SSC. Summer 1978.

A study of the major thinkers in the Black community and the effects of their ideas on the concepts of freedom, liberalism, conservatism, state, obligation, consent, etc., for the purpose of its intellectual value and comparative possibilities.

POLITICAL SCIENCE 642. Latin American Politics. (5-0-5). SSC.

A survey of the key Latin American countries and their politics is made for insight, comparison, and prospects.

POLITICAL SCIENCE 649. Revolutions and Revolutionaries. (5-0-5). SSC.

This course addresses itself to the causes and characteristics of revolutions, from the American Revolution to the recent social revolution of Blacks, women, and minorities. Each major revolution selected will be examined concerning the basic reasons for the upheaval, the leadership, and the benefits and losses incurred by the revolt. The course will specifically treat the French Revolution, the revolutions of 1848, the Risorgimento, the Meiji Restoration, overthrow of the Ching Dynasty, Jose Rizal and the Philippines, the Irish problem, Kenyatta and the Mau Mau and other revolutions.

POLITICAL SCIENCE 680. Readings in American Government. (5-0-5). SSC. Winter 1980.

POLITICAL SCIENCE 681. Readings in American Political Thought. (5-0-5). SSC.

POLITICAL SCIENCE 683. Readings in Political Theory. (5-0-5). SSC.

POLITICAL SCIENCE 684. Readings in Comparative Politics. (5-0-5). SSC. Fall 1978.

POLITICAL SCIENCE 690. Independent Study. (Credit varies). SSC. Admission by approval of the instructor and the Graduate Coordinator.

POLITICAL SCIENCE 691. Independent Study. (Credit varies).  
ASC.

Admission by approval of the instructor and the Graduate Coordinator.

## MATHEMATICS

### FACULTY

Mr. J.B. Clemmons, Department Head, (SSC); Dr. Richard M. Summerville, Department Head, (ASC); Dr. Chi, (ASC); Dr. Englhardt, (SSC); Dr. Hansen, (ASC); Dr. Hinkel, (ASC); Dr. A. Houston, (SSC); Dr. S. Hudson, (SSC); Dr. Kilhefner, (ASC); Dr. Laska, (ASC); Dr. Munson, (ASC); Dr. Netherton, (ASC); and Dr. Shipley, (ASC).

This Program is no longer active in 1978-1979, and no new students are being accepted.

Coordinator - 1978, Dr. Summerville

### COURSE REQUIREMENTS FOR REMAINING STUDENTS

Students must complete a sequence of courses which conforms to the following requirements:

- I. Education Courses (20 quarter hours): To include Education 641, 631, 671, and one of the following: Education 621 or 622.
- II. Mathematics Courses (35 quarter hours): To include Mathematics 501, 502, 505, 510, 530, and 10 quarter hours of approved courses chosen from the following courses: Mathematics 605, 610, 615, 620, 630, 635, 640, 655, 660, 670, 691, and 692. It is strongly recommended that 501, 502, 505, 510 and 530 be completed before taking other courses.
- III. Elective Courses (5 quarter hours): To be taken in Mathematics, Education or a suitable third field with the prior approval of the student's advisers. (Since a course in exceptional children is required for certification, students should take EXC 522 if they have not had an appropriate course previously.)
- IV. Balance of Courses. Students will fulfill the balance of courses requirement by taking one-half of their courses at each College. A guide to the location of the mathematics courses follows:

#### *Savannah State College*

MATH 501	MATH 640
MATH 505	MATH 655
MATH 594	MATH 670
MATH 605	MATH 691
MATH 563	

#### *Armstrong State College*

MATH 502	MATH 615
MATH 510	MATH 620
MATH 530	MATH 630
MATH 592	MATH 660
MATH 610	MATH 692

A guide to the campus location of the Education courses is in the Education Department section of of this *Bulletin*.



## COMPREHENSIVE EXAMINATION

Certain courses in the M.Ed. degree program in mathematics are designated as “core” courses because they contain many of the concepts most basic and useful to a teacher in junior or senior high school. The core courses are Mathematics 501, 502, 505, 510, and 530.

An integral part of the graduate program is the attainment of the kind of *comprehensive* understanding of these concepts which can be achieved by their re-examination in the light of experience and insight obtained from the completion of the courses in the program. The mathematics graduate faculty also considers that the *crystallization* of knowledge to be gained from remastering fundamental topics with the benefit of a broadened viewpoint is of great value.

Accordingly, each recipient of the Master of Education degree in Mathematics is required to have successfully demonstrated the attainment of such knowledge and such understanding on a written comprehensive examination. The following regulations govern the administration of the comprehensive examination in mathematics.

1. Comprehensive Examinations will be held during the Fall and Spring Quarters, on the third Monday of November and April, respectively. The coordinator shall notify the students and the Deans for Graduate Studies, at least ten days prior to the examination, concerning the place and time of day of the examination.
2. Students must register with the Mathematics Coordinator stating their intention to take the Comprehensive Examination. The deadline for registering for the Comprehensive Examination is two months before the date of the Examination. The registering students will receive within one week of this deadline the list of topics for which they will be responsible on the examination.
3. The Examinations Committee of the Joint Graduate Mathematics Faculty will be responsible for constructing exams, administering them, grading them, and making recommendations to the Joint Graduate Mathematics Faculty concerning success or failure on the examinations. The Joint Graduate Mathematics Faculty shall make the final decision on success or failure. The result of the examination will be reported to the Deans for Graduate Studies within seven days after the examination.
4. The Mathematics Coordinator will notify the examined students on the results of the Comprehensive Exams. The examined students may request a conference with their faculty advisers for the purpose of discussing and reviewing the examination papers. The examination papers will remain in the advisement files of the student advisers until the end of the subsequent quarter.

5. Students may repeat the Comprehensive Examination as many times as they find necessary to demonstrate the required level of competence.

Some graduate courses in mathematics are still being offered even though the degree program is no longer active. These courses are listed below.

MATHEMATICS/EDUCATION 592. Modern Mathematics for Elementary Teachers. (5-0-5). ASC. (Does not require the GMDT.)

Content concentration emphasizing the rigor, mathematical language, and subject matter to be taught in the elementary school.

MATHEMATICS 594. Statistics for Education and the Social Sciences. (5-0-5). SSC. (Does not require the GMDT.)

Graphic representation and data reduction; measures of central tendency and variability; distributions; correlation; regression; hypothesis testing. Primary emphasis is upon the development of statistical skills necessary for the conduct and interpretation of statistical research.

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# NOTES

# NOTES





THE JOINT GRADUATE STUDIES PROGRAM  
Savannah State College-Armstrong State College  
Savannah, Georgia

Quantity 2,000  
Cost \$3303.00